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UNITED STATES  
GOVERNMENT PUBLICATIONS

OCTOBER 1969

Entries 13537-14969

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# MONTHLY CATALOG

OF UNITED STATES

GOVERNMENT PUBLICATIONS

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OCTOBER 1969

Number 897

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Entries 13537-14969



Issued by the SUPERINTENDENT OF DOCUMENTS

U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 : 1969

MONTHLY  
CATALOG  
OF UNITED STATES  
GOVERNMENT PUBLICATIONS

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The following publications are in the process of being printed. Advance sales orders may be placed for these publications. Orders will be scheduled and copies mailed as soon as stocks are received. It is not possible to estimate the lapse of time before the publications will actually appear. All information in regard to title, series, classification, distribution, and price given in these listings is preliminary and subject to change when the publications actually come from the press. Those so marked will be sent to depository libraries, providing, that at the time of going to press, the libraries were on list to receive the items under which these publications will be distributed.

Adverse reactions to hallucinogenic drugs, with background papers. (Public Health Service, Publication 1810.) \$1.25. ● FS 2.22 : H 16/2

Agricultural statistics, 1969. (Agriculture Department.) \$2.75. ● A 1.47 : 960

America's department of natural resources. (Interior Department, Conservation bulletin 39.) 40c. ● I 1.72 : 89/4

Atlas of cometary forms. (National Aeronautics and Space Administration, NASA SP-198.) \$2.25. ● NAS 1.21 : 198

Automation of rheumatic fever registries. (Public Health Service, Publication 1924.) \$1.00. ● FS 2.2 : R 34/2

Books related to compensatory education, Feb. 1969. (Education Office, OE-37045.) 50c. ● FS 5.237 : 37045

Building custodian, suggested guide for training course. (Education Office, OE-87038.) 35c. ● FS 5.287 : 87038

Cheese varieties and descriptions. [Revised 1969.] (Agriculture Department, Agriculture handbook 54.) 65c. ● A 1.76 : 54/360

Cockroaches, how to control them. (Agriculture Department, Leaflet 430, revised.) 10c. ● A 1.35 : 430/6

Custer Battlefield. (National Park Service, Historical handbook no. 1, revised.) \$1.25. ● I 29.58 : 1/3

Developing human resources. (Atomic Energy Commission.) 25c. ● Y 3. At 7 : 2 H 88

Diesel servicing, suggested two year post high school curriculum. (Education Office, OE-87045.) \$1.25. ● FS 5.287 : 87045

Documents on disarmament, 1968. (Arms Control and Disarmament Agency.) \$3.75. ● AC 1.11/2 : 968

Eat well for you and your baby who is on the way. (Children's Bureau.) 10c. ● FS 17.202 : B 11/5

Environment of Mesa Verde National Park, Colorado. (National Park Service, Archeological research series 7-D.) \$3.50. ● I 29.59 : 7-D

Extension work in public affairs. (Agriculture Department, PA series 932.) 10c. ● A 1.68 : 932

Family food buying, guide for calculating amounts to buy and comparing costs. (Agriculture Department, Home economics research report 37.) 35c. ● A 1.87 : 37

Family food stockpile for survival. (Agriculture Department, Home and garden bulletin 77, revised.) 10c. ● A 1.77 : 77/5

How foreign policy is made. (State Department, Publication 7707, General foreign policy series 195, revised.) 50c. ● S 1.71 : 195/3

How to plan drug abuse education workshop for teachers. (Public Health Service.) 25c. ● FS 2.22/15 : D 84

International family planning, bibliography. (Public Health Service, Publication 1917.) 35c. ● FS 2.22/13 : F 21/2

Interstate commerce act, together with text of supplementary acts and related sections of various other acts. [Revised 1969.] (Interstate Commerce Commission.) \$3.00. ● IC 1 act.5 : 969

LSD-25, factual account. (Narcotics and Dangerous Drugs Bureau.) \$1.00. ● J 24.8 : L 90

Manpower research, inventory for fiscal year 1968. (Education Office, OE-12036-68.) \$1.75. ● FS 5.212 : 12036-68

Meat and poultry, labeled for you. (Agriculture Department, Home and garden bulletin 172.) 10c. ● A 1.77 : 172

Mental health programs for the deaf. (Public Health Service, Publication 1954.) 15c. ● FS 2.22 : D 35

Monitors of United States Navy. (Naval Operations Office.) 50c. ● D 207.10/2 : M 74

National policy of apprenticeship for machinist. (Apprenticeship and Training Bureau.) 20c. ● L 23.2 : M 18/5

Natural resources of Oklahoma. (Interior Department.) 25c. ● I 1.91 : Ok 4

Parkinson's disease, hope through research. (Public Health Service, Publication 811, Health information series no. 100, revised.) 20c. ● FS 2.50 : 100/4

Reduction in force in Federal agencies. (Civil Service Commission, Pamphlet 41, revised.) 10c. ● CS 1.48 : 41/12

Report on high energy physics, 1969. (Atomic Energy Commission, Research and development report, WASH 1129.) \$1.50. ● Y 3. At 7 : 22/WASH 1129

Research relating to children. (Children's Bureau, Publication no. 24.) \$1.50. ● FS 2.21 : 24

Riverine warfare. [Revised 1969.] (Naval Operations Office.) 65c. ● D 207.10/2 : R 52/969

Silverfish and firebrats, how to control them. (Agriculture Department, Leaflet 412, slightly revised.) 10c. ● A 1.85 : 412/6

Snowmobiles. (Business and Defense Services Administration.) 10c. ● C 41.2 : 8n 6

Starting and managing a small retail camera store. (Small Business Administration, Starting and managing series, vol. 17.) 40c. ● SBA 1.15 : 17

States can help many children and families. (Children's Bureau, Publication 466.) 15c. ● FS 17.210 : 466

Study of employment of women in Federal Government, 1968. (Civil Service Commission, Pamphlet SM 62-04.) \$2.00. ● CS 1.48 : SM 62-04

Survey of Federal Government publications of interest in small business. [3d edition, 1969.] (Small Business Administration.) 45c. ● SBA 1.18/2 : G 74/969

United States statutes at large, vol. 82, containing laws and concurrent resolutions enacted during 2d session of 90th Congress. (Federal Register Office.) \$16.25. ● GS 4.111 : 82

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## Abbreviations

add.	addition, addendum, addenda.	n. d.	no date.
amdt., amdts.	amendment, amendments.	n. p.	no place.
app.	appendix, appendixes.	no., nos.	number, numbers.
bk., bks.	book, books.	p.	page, pages.
chap.	chapter, chapters.	p. of pl.	pages of plates.
Cong.	Congress.	par., pars.	paragraph, paragraphs.
Dept.	Department.	pl.	plate, plates.
doc.	document.	por.	portrait, portraits.
facsim.	facsimile, facsimiles.	pt., pts.	part, parts.
fy.	fiscal year.	rp.	report.
G.H.A.	Greenwich hour angle.	S.	Senate, Senate bill.
H.	House.	S. Con. Res.	Senate concurrent resolution.
H. Con. Res.	House concurrent resolution.	S. doc.	Senate document.
H. doc.	House document.	S. ex. doc.	Senate executive document.
H. ex. doc.	House executive document.	S. ex. rp.	Senate executive report.
H. J. Res.	House joint resolution.	S. J. Res.	Senate joint resolution.
H.R.	House of Representatives, House bill.	S. Res.	Senate resolution.
H. Res.	House resolution.	S. rp.	Senate report.
H. rp.	House report.	sec.	section, sections.
il.	Illustration, illustrations.	sess.	session, sessions.
in.	inch, inches.	Stat. L.	Statutes at large.
lat.	latitude.	supp.	supplement.
long.	longitude.	tab.	table, tables.
mi.	mile.	Treas.	Treasury.
		vs.	volume, volumes.
		vs., v.	versus.

Common abbreviations for the names of States, months, etc., are also used.

An explanation of the symbols used to designate sizes of publications is given on the inside of the front cover.

## Explanation

The individual issuing department, bureau, office, or agency is considered the publisher of Government publications.

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Under provisions of the Printing Act of January 12, 1895, all Government publications, except administrative and confidential (or restricted), are entered in the Monthly Catalog.

The L.C. card number appended to some of the entries is for those libraries ordering printed cards from the Library of Congress. The number at the extreme right of an entry indicates the classification of the publication in the Office of the Superintendent of Documents.

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## General Information

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## New Classification Numbers

A 57.51 : nos.	Soil Conservation Service.
A 57.54 : date	Technical releases.
C 1.56 : date	National Plant Materials Center annual report.
	Commerce Department.
	Directory of private programs for minority business enterprise.
C 3.244 : nos	Census Bureau.
	Census use study reports.
C 30.22/6 : CT	Weather Bureau.
	Weather Bureau marine services charts.
C 39.228 : Reserved	Maritime Administration.
C 39.229 : date	Oceangoing merchant ships of 1,000 gross tons and over lost and scrapped during calendar year.
C 39.230 : date	Oceangoing foreign flag merchant type ships of 1,000 gross tons and over owned by the United States parent companies (semi-annual).
C 39.231 : date	Containerships under construction and on order (including conversions) in United States and foreign shipyards, oceangoing ships of 1,000 gross tons and over (semi-annual).
C 39.232 : date	United States flag containerships and United States flag ships with partial capacities for containers and/or vehicles (semianual).
C 52.21/3 : Reserved	Environmental Science Services Administration.
C 52.21/4 : date	Scientific and technical publications of ESSA Research Laboratories.
	NOTE.—Formerly entitled Scientific and technical publications of Institutes for Environmental Research.
C 52.21/5 : date	Management information on ERL's scientific and technical publications (annual).
D 7.1/10 : date	Defense Department.
D 7.21 : date	Annual historical summary: Defense Documentation Center.
	Annual report to Congress on national industrial reserve under Public law 883, 80th Congress.
D 105.14/4 : nos	Army Department.
	HDL [Harry Diamond Laboratories] technical disclosure bulletin.
D 109.10 : nos	Military Academy, West Point.
D 208.14/6 : CT	USMA library bulletin.
D 200.16 : nos	Naval Personnel Bureau.
	U.S. Naval Postgraduate School: Publications (unnumbered).
D 301.26/19 : nos	Naval Facilities Engineering Command.
	NAVFAC Technical Training Center: NTTC courses.
	Air Force Department.
	USAF historical studies.

D 301.26/20 : v.nos-----	Air University abstracts of research reports (annual).
D 301.56/3 : (date)	Military Airlift Command : Airlift Service management report (annual).
FP 1.30 : (date)	Federal Power Commission. Cost of pipeline and compressor station construction under non-budget type of certificate authorizations as reported by pipeline companies (annual).
FS 2.22/13-9 : date-----	National Institutes of Health. NIH quarterly publications list.
FS 2.22/63 : CT-----	Chemotherapy fact sheets.
FS 2.60/18 : date-----	Public Health Service. National Communicable Disease Center food-borne outbreaks annual summary.
FS 2.74/6 : date-----	Representative construction cost of Hill-Burton hospitals and related health facilities (biannual).
FS 2.86/6 : date-----	Annual statistical review, hospital and medical services. Note.—Issued by Division of Indian Health. See, for earlier class, FS 2.2 : In 25/17.
FS 2.86/7 : date-----	Division of Indian Health, annual discharge summary.
FS 2.92/4 : date-----	Training Institute of Environmental Control Administration, bulletin of courses (annual).
FS 2.211/3 : CT-----	National Library of Medicine. Selected list of audiovisuals.
I 49.71 : nos-----	Sport Fisheries and Wildlife Bureau. Wildlife portrait series.
I 67.19 : nos-----	Federal Water Pollution Control Administration. Robert A. Taft Water Research Center : Report TWRC-(series).
J 1.1/2 : date-----	Justice Department. Annual report of Law Enforcement Assistance Administration.
J 24.3 : v.nos. & nos-----	Narcotics and Dangerous Drugs Bureau. BNDD bulletin.
L 1.39/10 : date-----	Labor Department. Manpower technical exchange.
L 33.1 : date-----	Unemployment Insurance Service. Annual report.
L 33.2 : CT-----	General publications.
L 33.3 : 8 : Reserved	
L 33.9 : nos-----	Benefit series service, unemployment insurance report (monthly). Note.—See, for earlier class L 7.37 : (date).
L 34.1 : date-----	Training and Employment Service. Annual report.
L 34.2 : CT-----	General publications.
L 34.3 : 8 : Reserved	
L 34.9 : date-----	Area trends in employment and unemployment (monthly). Note.—See, for earlier class, L 7.51/3 : (date).
S 18.28/a : CT-----	International Development Agency. Proposed foreign aid program, fiscal year, summary presentation to Congress (separates).
SI 1.30 : nos-----	Smithsonian Institution. Smithsonian contributions to paleobiology.

## Public Roads Bureau.

TD 2.122: Reserved	
TD 2.123: CT	Bibliographies and list of publications.
TD 2.124: date	New developments in highways.
TD 2.125: date	Conference proceedings [of] AASHO Committee on Electronics.
TD 2.210/3: nos.	National Highway Safety Bureau. Highway safety literature compilations.
TD 2.312: date	Motor Carrier Safety Bureau. Analysis of motor carrier accidents involving vehicle defects or mechanical failure. NOTE.—See, for earlier similar publication, IC 1 mot.20:(date).
TD 4.19/4: date	Federal Aviation Administration. Military air traffic activity report.
TD 4.28: date	Acceptable methods, techniques, and practices: Aircraft alterations. NOTE.—See, for earlier class, FAA 5.16:(date).
TD 4.28/2: date	Acceptable methods, techniques, and practices: Aircraft inspection and repair. NOTE.—See, for earlier class, FAA 5.15:(date).
TD 4.30: nos.	System package program, NS-SPP—(series).
TD 4.31: date	Annual national aviation system planning review conference, summary report.
TD 4.312: date	Air Traffic Service. Index of standard instrument approach procedures (semiannual).
TD 4.510: CT	Systems Research and Development Service. Addresses.
TD 4.611: nos.	Aircraft Development Service. Report FAA DS—(series).
Y 3.P 11/2: 1/date	Pacific Southwest Inter-Agency Committee. Report.
Y 3.P 11/2: 2 CT	General publications.

## Corrections for Previous Monthly Catalogs

July 1964. Entry 11919 Orienting parents in clinic for retarded. Correct class to read FS 3.207/2a : R 313.

Dec. 1965. Entry 18998, Role of child welfare in mental retardation. Correct class to read FS 14.110 : B 39.

May 1968. Entry 6650, North Cascades [National Park and Ross Lake National Recreation area, a proposal]. Correct class to read I 29.6 : N 81c.

June 1968. Entry 7927, Some facts relating to job situation in New York. Correct class to read L 2.92 : N 42y/968.

Dec. 1968. Page 135, 1st column, under Architecture: design for all Americans, report of National Commission on Architectural Barriers to Rehabilitation of the Handicapped, change 14691 to read 14091.

Jan. 1969. Entry 471, Inventory of congressional concern with research and development, 90th Congress, 1st session, pt. 3, Bibliography. Correct class to read Y 4.G 74/6 : R 31/2/pt. 3.

Feb. 1969. Entry 1865, FHA regulations [Home mortgage regulations, amendments]. Correct class to read HH 2.6 : M 84/7/964/trans. 64.

Apr. 1969. Entry 5438, Compensation increases for service-connected disabled veterans, H.R. 16027, as enacted by Congress. Correct class to read Y 4.F 49 : V 64/16.

June 1969. Entry 8784, U.S. food and fiber policy for future, summary report of National Advisory Commission on Food and Fiber. Please change the date of publication from [1969.] to [1967.]

June 1969. Entry 8816, Smokers self-testing kit : pt. 1, Tests. Correct class to read FS2.6/2 : Sm 7/30/969/pt.1.

June 1969. Entry 8817, Smokers self-testing kit : pt. 2, Interpretation of test scores. Correct class to read FS 2.6/2 : Sm 7/3/969/pt. 2.

Aug. 1969. Entry 11061 FHA regulations [Home mortgage regulations, amendments]. Correct class to read HH 2.6 : M 84/7/964/trans. 65.



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Veterans Administration	14960

AGRICULTURAL RESEARCH SERVICE

1967 NO. 897. Monthly Catalog of Agricultural Research Service publications, including the annual report of the Director, and other publications issued by the Service.

1967 NO. 897. Monthly Catalog of Agricultural Research Service publications, including the annual report of the Director, and other publications issued by the Service.

# Monthly Catalog

NO. 897 • OCTOBER 1969

AGRICULTURAL RESEARCH SERVICE, Agriculture Dept.  
Washington, DC 20250

ARS (series).

13537 34-106. Catalog of genera, species, and subordinate taxa in orange subfamily Aurantioideae (Rutaceae) crops research [with list of literature cited; by J. B. Carpenter and P. C. Reece]. May 1969. cover title, 181 p. 4<sup>o</sup> [Text on p. 2 and page 181 on p. 3 of cover.] † L.C. card 71-603660 A 77.15:(nos.)

13538 44-211. DHIA sire summary list, Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, Red Dane, and Red Poll sires. May 1969. cover title, 455 p. 4<sup>o</sup> [Text on p. 2 of cover.] † • Item 25-B

13539 44-212. DHIA cow performance index list, registered progeny of DHIA sires. Sept. 1968-May 1969. Aug. 1969. cover title, 464 p. 4<sup>o</sup> [Text on p. 2 of cover.] † • Item 25-B

13540 91-76. Recommended standard procedures for laboratory diagnosis of tuberculosis in animals [with list of literature cited; prepared by Animal Health Division]. July 1969. [1]+27 p. ill. 4<sup>o</sup> † L.C. card 72-603655 A 77.15:(nos.)

13541 Grasshopper survey, species field guide. Oakland, Calif., May 1969. [1]+23 p. ill. 1 pl. 4<sup>o</sup> (Plant Pest Control Division.) † A 77.306/3:G 76

13542 Index-catalogue of medical and veterinary zoology: supp. 16, pt. 6, Parasite-subject catalogue: Subject headings and treatment; by Dorothy B. Segal [and others]. July 1969. iii+138 p. 4<sup>o</sup> (Animal Disease and Parasite Research Division.) \* Paper, \$1.25. • Item 31 L.C. card 63-65031 A 77.219/2:16/pt.6

13543 Index-catalogue of medical and veterinary zoology: supp. 17, pt. 4, Parasite-subject catalogue: parasites, Nematoda and Acanthocephala; by Dorothy B. Segal [and others]. July 1969. iii+269 p. 4<sup>o</sup> (Beltsville Parasitological Laboratory, Animal Disease and Parasite Research Division.) \* Paper, \$2.00. • Item 31 L.C. card 63-65031 A 77.210/2:17/pt.4

13544 Index-catalogue of medical and veterinary zoology: supp. 17, pt. 5, Parasite-subject catalogue: parasites: Arthropoda and miscellaneous phyla; by Dorothy B. Segal [and others]. July 1969. v+290 p. 4<sup>o</sup> (Beltsville Parasitological Laboratory, Animal Disease and Parasite Research Division.) \* Paper, \$2.25. • Item 31 L.C. card 63-65031 A 77.219/2:17/pt.5

13545 National tick surveillance program calendar year 1967. Apr. 15, 1968. 15 p. ill. 4<sup>o</sup> (Animal Health Division.) † A 77.237/2:967

13546 Northern Utilization Research and Development Division. [May 1969.] cover title, 32 p. ill. [Text on p. 2 and 3 of cover.] † A 77.2:N 81/969

13547 Plant quarantine import requirements of France. Aug. 19, 1969. 6 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes summary, June 8, 1964, and TM, May 18, 1966.] † A 77.329:F 844/969

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Commerce, Springfield, Va. 22151  
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GOVERNMENT PUBLICATIONS

13548 Plant quarantine import requirements of French Guiana. Aug. 19, 1969. 4 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes P.Q. 646, Sept. 26, 1958.] † A 77.329 : F 88

13549 Plant quarantine import requirements of Guadeloupe. Aug. 19, 1969. 4 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes P.Q. 650 (Guadeloupe and Martinique), Nov. 12, 1958.] † A 77.329 : G 93

13550 Plant quarantine import requirements of Iran. Aug. 12, 1969. 2 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes P.Q. 449, Apr. 18, 1947.] † A 77.329 : Ir 1

13551 Plant quarantine import requirements of Martinique. Aug. 19, 1969. 4 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes P.Q. 650, (Guadeloupe and Martinique) Nov. 12, 1958.] † A 77.329 : M 36

13552 Plant quarantine import requirements of Réunion. Aug. 19, 1969. 5 p. (Plant Quarantine Division.) [Issued with perforations. Supersedes P.Q. 640, Aug. 26, 1958.] † A 77.329 : R 31

13553 Report of cooperative tick eradication activities, fiscal year 1968. Nov. 6, 1968. 7 p. ll. 4° (Animal Health Division.) ‡ L.C. card 63-60859 A 77.237 : 968

13554 Report of [19th] National Poultry and Turkey Improvement Plans Conference, July 15-17, 1968, Cincinnati, Ohio. [1968.] 6+11+[4] leaves, 4° (Animal Husbandry Research Division.) ‡ A 77.202 : N 21/968

13555 Reported arthropod-borne encephalitides in horses and other equidae, calendar year, 1967; [prepared by Animal Health Division]. June 1968. 7 p. ll. 4° ‡ A 77.230/2 : 967

13556 U.S.D.A. summary of registered agricultural pesticides chemical uses: v. 2, Fungicides and nematicides. 3d edition. [Mar. 31, 1969.] [1]+x p.+205 leaves, 4° (Pesticide Regulation Division.) [Includes additions, deletions, and supplements since issuance of 2d edition July 1, 1964. Issued in looseleaf form.] \* Paper, \$3.50. • Item 44 L.C. card 61-60934 A 77.302 : P 43/4/960/v.2

13557 Veterinary Biologics Division notice no. 9: Biological products produced [and destroyed] in licensed establishments during fiscal year 1969. Aug. 6, 1969. 6 p. 4° (Veterinary Biologics Division.) † A 77.226/3 : 9

AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE,  
Agriculture Dept., Washington, DC 20250

13558 1967 annual report and statistical summary of programs administered by Massachusetts ASCS State Office. Amherst, Mass. [1969]. cover title, 19 leaves, 4° ‡ L.C. card 70-602006 A 82.1/2 : M 38/967

13559 ASCS, Iowa program summary, 1968. [Apr. 1969.] cover title, [1]+51 p. ll. 4° ([Iowa ASCS State Office, Des Moines, Iowa.]) ‡ L.C. card 78-603276 A 82.1/2 : Io 9/968

13560 ASCS programs administered by counties, by congressional districts, 1968. [1969.] [217] p. 4° (California State Office.) ‡ L.C. card 70-603472 A 82.1/2 : C 12/968-2

13561 Georgia, ASCS, 1968 activity summary by congressional districts. cover title, [4] p.+[41] leaves, 4° ‡ L.C. card 75-608452 A 82.1/2 : G 29/968-2

13562 Idaho, annual activity summary [1967]. 1st Congressional District. Revised Apr. 1968. [1969.] cover title, 20 p. 4° ‡ A 82.1/2 : Id 1/967-2/1st dist.

13563 Idaho, annual activity summary [1968], 1st Congressional District. Mar. 1969. cover title, [8] leaves, 4° ‡ A 82.1/2 : Id 1/968-2/1st dist.

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13564 Idaho, annual activity summary [1967], 2d Congressional District. Revised Apr. 1968. [1969.] cover title, 21 p. 4° † A 82.1/2: Id 1/967-2/2d dist.

13565 Idaho, annual activity summary [1968], 2d Congressional District. Mar. 1969. cover title, [6] leaves, 4° † A 82.1/2: Id 1/968-2/2d dist.

13566 Kansas, congressional district summary, 1968. [1969.] cover title, 18 p.+28 leaves, 4° † L.C. card 72-603454 A 82.1/2: K 13/968-2

13567 Maine, 1967 program year report. [1969.] cover title, [1]+22 leaves, 4° ([Maine ASC State Committee], Orono, Maine.) † L.C. card 68-62948 A 82.1/2: M 28/967

13568 Maine, 1968 program year report. [1969.] cover title, [1]+20 leaves, 4° ([Maine State ASC Committee], Orono, Maine.) † L.C. card 68-62948 A 82.1/2: M 28/968

13569 Oklahoma, 1968 activity summary, 1st Congressional District, Page Belcher. [1969.] cover title, [2] leaves, 4° † A 82.1/2: Ok 4/968-2/1st dist.

13570 Oklahoma, 1968 activity summary, 2d Congressional District, Ed Edmondson. [1969.] cover title, [6] leaves, 4° † A 82.1/2: Ok 4/968-2/2d dist.

13571 Oklahoma, 1968 activity summary, 3d Congressional District, Carl Albert. [1969.] cover title, [6] leaves, 4° † A 82.1/2: Ok 4/968-2/3d dist.

13572 Oklahoma, 1968 activity summary, 4th Congressional District, Tom Steed. [1969.] cover title, [4] leaves, 4° † A 82.1/2: Ok 4/968-2/4th dist.

13573 Oklahoma, 1968 activity summary, 5th Congressional District, John Jarman. [1969.] cover title, [2] leaves, 4° † A 82.1/2: Ok 4/968-2/5th dist.

13574 Oklahoma, 1968 activity summary, 6th Congressional District, John H. Camp. [1969.] cover title, [6] leaves, 4° † A 82.1/2: Ok 4/968-2/6th dist.

13575 Pender-New Hanover County ASCS 1968 annual report. Burgaw, N.C. [1969.] cover title, [2]+22 leaves, 11. 4° † L.C. card 78-603434 A 82.1/2: P 37/968

13576 Pennsylvania, compilation by congressional districts of ASCS program activities for 1968. [1969.] cover title, [38] leaves, 4° † L.C. card 76-603471 A 82.1/2: P 38/968-2

13577 South Carolina, annual congressional district summary [1968], Congressional District 1. [1969.] cover title, [5] leaves, 4° † A 82.1/2: So 8c/968-2/dist.1

13578 South Carolina, annual congressional district summary [1968], Congressional District 2. [1969.] cover title, [5] leaves, 4° † A 82.1/2: So 8c/968-2/dist.2

13579 South Carolina, annual congressional district summary [1968], Congressional District 3. [1969.] cover title, [5] leaves, 4° † A 82.1/2: So 8c/968-2/dist.3

13580 South Carolina, annual congressional district summary [1968], Congressional District 4. [1969.] cover title, [4] leaves, 4° † A 82.1/2: So 8c/968-2/dist.4

13581 South Carolina, annual congressional district summary [1968], Congressional District 5. [1969.] cover title, [5] leaves, 4° † A 82.1/2: So 8c/968-2/dist.5

13582 South Carolina, annual congressional district summary [1968], Congressional District 6. [1969.] cover title, [5] leaves, 4° † A 82.1/2: So 5c/968-2/dist.6

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## GOVERNMENT PUBLICATIONS

### AGRICULTURE DEPARTMENT Washington, DC 20250

NOTE.—Requests to the Department of Agriculture for publications should include the USDA number if given in the entry.

13583 Directory of Agricultural Research Service; [prepared by Information Division]. [Sept. 1969.] cover title, ii+135 p. [Text on 2 p. of cover.] \* Paper, 60c. • Item 6-A  
L.C. card Agr 68-96 A 1.89/3 : Ag 8/969

Farmers' bulletins. • Item 9 A 1.9:(nos.)

13584 2147. Boll Weevil, how to control it; [prepared by Entomology Research Division, Agricultural Research Service]. [Revised Sept. 1969.] [1969.] 12 p. ii. [Replaces all previous editions.] \* Paper, 10c.  
L.C. card 78-603526

13585 2209. Slaughtering, cutting, and processing beef on farm; [by Richard L. Hinler]. [July 1965, slightly revised Aug. 1969.] [1969.] 32 p. ii. [Animal Husbandry Research Division, Agricultural Research Service.] [Supersedes Farmers' bulletin 1415, Beef on farm, slaughtering, cutting, curing.] \* Paper, 25c.  
L.C. card 78-603643

13586 2242. Housing and equipment for sheep; [prepared by Animal Husbandry Research Division and Agricultural Engineering Research Division, Agricultural Research Service]. [Aug. 1969.] 12 p. ii. [Supersedes Farmers' bulletin 810, Equipment for farm sheep raising.] \* Paper, 10c.  
L.C. card 75-603314

Home and garden bulletins. • Item 11 A 1.77:(nos.)

13587 5. Food for family with young children; [prepared by Consumer and Food Economics Research Division, Agricultural Research Service]. [Revised April 1960, slightly revised Aug. 1969.] [1969.] 16 p. ii. \* Paper, 10c.  
L.C. card 78-603645

13588 8. Home canning of fruits and vegetables; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Revised Feb. 1965, slightly revised Sept. 1969.] [1969.] 32 p. ii. [Includes more information, when you preserve food at home, list of other publications of Agricultural Research Service.] \* Paper 20c.  
L.C. card 71-603644

13589 10. Home freezing of fruits and vegetables; [prepared by Human Nutrition Research Division, Agricultural Research Service]. [Revised May 1965, slightly revised Sept. 1969.] [1969.] 48 p. ii. \* Paper, 20c.  
L.C. card 79-603453

13590 74. Food and your weight; [by Louise P. Page and Lillian J. Fincher]. [Nov. 1960, slightly revised Aug. 1969.] [1969.] [2]+30 p. ii. [Consumer and Food Economics Research Division, Agricultural Research Service.] \* Paper, 15c.  
L.C. card 71-603451

Home economics research report. A 1.87 : 36

13591 36. Pantothenic acid, vitamin B6, and vitamin B12 in foods [with list of literature cited]; by Martha Louise Orr. Aug. 1969. [2]+53 p. 4° [Consumer and Food Economics Research Division, Agricultural Research Service.] \* Paper, 55c. • Item 11-B  
L.C. card 79-603654

Household food consumption survey 1965-66, Report. A 1.87 : 36

13592 6. Dietary levels of households, in United States, spring 1965 [with list of literature cited]; by Sadie F. Adelson and Bettyter Peterkin. [July 1969.] cover title, ii+117 p. ii. oblong 8° [Consumer and Food Economic Research Division, Agricultural Research Service]. [Includes list of selected publications from other surveys of family food consumption and dietary levels.] \* Paper, \$1.00. • Item 11-A A 1.86 : 6/2

Leaflet. A 1.82 : 848

13593 492. Common liver fluke in sheep; [prepared by Animal Disease and Parasite Research Division, Agricultural Research Service]. [Revised Sept. 1969.] [1969.] 8 p. ii. \* Paper, 10c. • Item 12 A 1.35 : 492/2

Marketing research report. A 1.38 : (nos.)

13594 848. Spinning performance and yarn quality as affected by lint color and trash in field-exposed cotton, 1966-67 crop year; [by Edward H. Shanklin, Preston E. Laferney and Warren E. Garner]. [Sept. 1969.] [2]+14 p. 4° [Agricultural Research Service]. [Prepared in cooperation with Economic Research Service.] \* Paper, 15c. • Item 13-B  
L.C. card 73-603528

Miscellaneous publications. • Item 13-A A 1.38 : (nos.)

13595 798. Scientific careers in Agricultural Research Service; [prepared by Personnel Division, Agricultural Research Service]. [Revised July 1969.] [1969.] cover title, 36 p. ii. oblong 12° [Text on p. 2-4 of cover.] \* Paper, 55c.  
L.C. card 74-603669

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13596 956. Engineers in Soil Conservation Service. [Feb. 1964, slightly revised July 1969.] [20] p. ll. oblong 8°. † PA [Program aid] (series). † • Item 14-A A 1.68:(nos.)

13597 399. Packers and stockyards act, what it is, how it operates. [Slightly revised Aug. 1969.] [1969.] [2]+8 p. ll. (Packers and Stockyards Administration.)

13598 591. Your livestock claims. Packers and stockyard act can help you recover losses. [Slightly revised July 1969.] [1969.] [2]+6 p. 4°. (Packers and Stockyards Administration.)

13599 666. Saving the forests and related wildlife resources from insects and diseases. [Slightly revised Aug. 1969.] [1969.] 12 p. ll. oblong 24°. (Forest Service.) [Supersedes PA 593, Holding the line, July 1963.]

13600 705. Farmers Home Administration strengthens family farms, strengthens rural communities, reduces rural poverty. [Revised Aug. 1969.] [1969.] [6] p. narrow 8°. (Farmers Home Administration.)

13601 915. Pestina says, help stop spread of plant pests; [prepared by Plant Quarantine Division]. [July 1969.] [4] p. ll. narrow 8°. (Agricultural Research Service.) [Supersedes PA-729, Don't help hitch-hiking bugs.]

13602 918. Traffic regulation and law enforcement on national forest development road system. [Aug. 1969.] [1]+10 p. narrow 8°. (Forest Service.)

Picture story.

13603 221. Camille, food help. Aug. 1969. [2] p. ll. 4°. (Food and Nutrition Service.) † A 1.100:221

Production research reports. • Item 13-C

A 1.84:(nos.)

13604 108. Rearing cotton insects in laboratory [with list of literature cited; by Raymond Patana]. [June 1969.] [2]+6 p. ll. 4°. (Entomology Research Division] Agricultural Research Service.) [Prepared in cooperation with University of Arizona Agricultural Experiment Station.] †

13605 109. Rearing cotton insect parasites in laboratory [with list of literature; by D. E. Bryan, C. G. Jackson, and Adair Stoner]. [Aug. 1969.] [2]+13 p. ll. 4°. (Cotton Insects Biological Control Investigations, Agricultural Research Service.) [Prepared in cooperation with University of Arizona Agricultural Experiment Station.] \* Paper, 15c.

13606 1968 [progress] report on pesticides and related activities, research, education, information, regulation, control, monitoring, for assuring adequate supplies of wholesome, economic food and fiber, [and for] managing environment for long range good of man. June 1969. cover title, iv+264+[1]+A-7 p. 4°. (Agriculture Department and cooperators.) † (Limited distribution), Research Program Development and Evaluation Staff, Room 331-E, Administration Bldg., USDA, Washington, DC 20250  
L.C. card 77-601662 A 1.2: P 43/3/968

Statistical bulletin.

13607 333. Livestock and meat statistics, supplement for 1968. [July 1969.] vi+161 p. 4°. (Economic Research Service, Statistical Reporting Service, Consumer and Marketing Service.) \* Paper, \$1.25. • Item 15 A 1.84: 333/suppl.968

Technical bulletin.

13608 1398. Nearctic sawflies: 2. Selandriinae, adults (Hymenoptera: Tenthredinidae) [with list of literature cited] ; by David R. Smith. [Sept. 1969.] iv+48 p. ll. 10 pl. (Agricultural Research Service.) \* Paper, 40c. • Item 16 L.C. card 78-603694 A 1.36: 1398

13609 Telephone directory, Department of Agriculture; issued by Office of Plant and Operations. Aug. 1969. cover title, 3-142 p. [Text on p. 2-4 of cover.] \* Paper, 35c. A 1.89: 969-2

AIR FORCE DEPARTMENT, Defense Dept.  
Washington, DC 20330

Air Force manual AFM (series). † • Item 421

D 301.7:(nos.)

13610 11-2. Administrative practices: Air Force manual of abbreviations; Aug. 15, 1969. [1969.] cover title, [1]+53 p. 4°. [Issued with perforations. Supersedes AFM 11-2, Mar. 22, 1968.]

13611 72-3. See Defense Department, Defense Supply Agency manual DSAM 4130.2.

13612 85-1. Civil engineering, general: Resources and work force management, Change 1. Aug. 7, 1969. [174] p. 4°. [Issued with perforations.]

13613 88-7, chap. 4. See Army Department, Technical manual 5-522-4.

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GOVERNMENT PUBLICATIONS

Air Force pamphlet AFP (series).

13614 71-4, v. 1. See Defense Department, Defense Supply Agency manual DSAM 4145.2, v. 1.

13615 85-1. Civil engineering, general: Electrical facilities safe practices handbook. Change 1, Aug. 6, 1969. [1969.] [4] p. 12<sup>o</sup> [Issued with perforations.] \* Item 421-A D 301.35 : 85-1 : ch.1

13616 168-1. See Armed Forces Information and Education, DoD pamphlet PA-3B

13617 Air University abstracts of research reports, v. 12, 1968. iv+123 p. 4<sup>o</sup> (Air University Library, Maxwell Air Force Base, Ala.) ‡ L.C. card 58-61099 D 301.26/20 : 12

Air Weather Service: Technical report.

13618 213, 2d annual survey report on Air Weather Service weather-modification program [FY 1968] ; by Herbert S. Appleman. June 1969. [1] + 1-16 p. II. 4<sup>o</sup> [Issued with perforations.] ‡ D 301.40 : 213

13619 Build-up in Korea, Fifth Air Force report. [1969.] cover title, 28 p. II. 4<sup>o</sup> ‡ L.C. card 75-603688 D 301.2 : K 84

Environmental Technical Applications Center: Technical note.

13620 69-6. Annotated climatological bibliography of India ; by Dennis L. Boyer and Alvin L. Smith, Jr. Aug. 1969. vi+55 p. 4<sup>o</sup> ‡ D 301.40/2 : 69-6

13621 Lithograph series, set 2, southeast Asia paintings, U.S. Air Force. [1969.] 12 colored prints each 17 x 22 in. [Colored lithographs suitable for framing. Issued in envelope.] \* Paper, \$2.00 per set. D 301.76 : 2

13622 Lithograph series, set 3, U.S. Air Force. [1969.] 12 colored prints each 17 x 22 in. or 22 x 17 in. [Colored lithographs suitable for framing. Issued in envelope.] \* Paper, \$2.00 per set. D 301.76 : 3

13623 Lithograph series, set 4, U.S. Air Force. [1969.] 12 colored prints each 17 x 22 in. or 22 x 17 in. [Colored lithographs suitable for framing. Issued in envelope.] \* Paper, \$2.00 per set. D 301.76 : 4

13624 Lithograph series, set 6, U.S. Air Force. [1969.] 12 colored prints each 17 x 22 in. or 22 x 17 in. [Colored lithographs suitable for framing. Issued in envelope.] \* Paper, \$2.00 per set. D 301.76 : 6

13625 Military Airlift Command, Airlift Service management report, 20th year, July 1967-June 1968. [1969.] cover title, 32 p. II. 4<sup>o</sup> [Prepared by DCS/Comptroller Headquarters, MAC.] ‡ D 301.56/3 : 967-68

OAR (series). (Office of Aerospace Research.)

13626 69-0007. Air Force research resumes, 1968. Office of Aerospace Research [v. 7]. [1969.] [851] p. 4<sup>o</sup> (Office of Scientific and Technical Information.) \* Paper, \$3.00 (AD 689900). \* Item 422-B L.C. card 63-61428 D 301.69/3 : 69-0007

School of Aerospace Medicine: Aeromedical reviews. (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.)

13627 2-69. Theories of mechanism of action of inhalation anesthetics [with list of references; by] Clayton Petty. Apr. 1969. [1] + 35 p. II. ‡ D 301.26/13-4 : 2-69

School of Aerospace Medicine: Technical report SAM TR (series). (Aerospace Medical Division (AFSC), Brooks Air Force Base, Tex.) ‡ D 301.26/13-6 : (nos.)

13628 68-137. Radioprotection of primates with 2-(1-decylamino) ethanethiosulfuric acid in dimethyl sulfoxide [with list of references; by] Horace E. Hamilton, George S. Melville, Jr., Emmett J. Stork. Dec. 1968. cover title, III+11+[2] p. II. 4<sup>o</sup> ([Task 775703.])

13629 69-1. Further survey of compounds for radiation protection : by Vivian Plizak, John Doull. Feb. 1969. cover title, v+82+[2] p. 4<sup>o</sup> ([Contract 41 (609)-2977, task 775703.])

13630 69-17. Trends in aircrew attitudes and job-satisfaction : 2-year study [with list of references; by] George K. Cantrell. Apr. 1969. cover title, III+18+[2] p. 4<sup>o</sup> ([Task 775504.])

13631 69-21. Effects of pH, CO<sub>2</sub>, and buffering systems on lactic acid production in rat liver slices [with list of references; by] William G. Soucie. Apr. 1969. cover title, III+5+[2] p. II. 4<sup>o</sup> ([Task 775501.])

13632 69-24. Modified <sup>59</sup>Fe ferrokinetic procedure [with list of references; by] Donald P. Logsdon, Jr., James F. Green, John W. Harper. Apr. 1969. cover title, III+4+[2] p. II. 4<sup>o</sup> ([Task 775502.])

13633 69-33. Battery life and moisture penetration of subdermally implanted devices [with list of references; by] Henry Buchanan, Willis F. Moore, Calvin R. Richter. June 1969. cover title, III+10+[2] p. II. 4<sup>o</sup> ([Task 632002.]) [Correction sheet, 1 p. oblong 24<sup>o</sup> was issued also.]

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Special reports. (Office of Aerospace Research, Air Force Cambridge Research Laboratories, L. G. Hanscom Field, Bedford, Mass.) †

D 301.45/42 : (nos.)

13634 74. Bibliography of AFCRL publications from Oct. 1 to Dec. 1967. Apr. 1968. vii+64+[2] p. 4° (AFCRL-68-0193.)

13635 76. Bibliography of AFCRL publications from Jan. 1 to Mar. 31, 1968. Apr. 1968. vii+68+[2] p. 4° (AFCRL-68-0230.)

USAF historical studies. (USAF Historical Division, Aerospace Studies Institute.) †

D 301.26/19 : (nos.)

13636 160. Development of German Air Force, 1919-39; by Richard Suchenwirth; edited by Harry R. Fletcher. June 1968. cover title, xxii+259 p. ll. 4° L.C. card 79-603697

13637 174. Command and leadership in German Air Force; by Richard Suchenwirth, edited by Harry R. Fletcher. July 1969. cover title, xix+351 p. ll. 4° L.C. card 75-603696

13638 Weighted airman promotion system. [1969.] 18+[2] p. ll. 32° [Information subject to change.] † • Item 424

D 301.2 : W 42

**AIR TRAFFIC SERVICE, Transportation Dept.**  
Washington, DC 20553

13639 Air traffic training. Oct. 1, 1969. cover title, [1]+ii+38+[6] p. ll. 4° (3120.4A.) [Issued with perforations. Effective date Oct. 1, 1969. Cancels Air traffic training handbook 3120.4, Feb. 15, 1967, Notice N 3120.12, May 12, 1969, and various orders.] † • Item 431-D-1

TD 4.308 : A1 7

13640 Index of standard instrument approach procedures. July 31, 1969. cover title, [1]+137 p. 4° (Flight Services Division.) †

TD 4.312 : 969

13641 International weather schedules service O, Change 7. [May 29, 1969.] [58] p. map, 4° (7330.6 CHG 7.) [Issued in looseleaf form. Cancellation date Jan. 1, 1970.] † • Item 431-D-1

FAA 3.8 : W 37/2/966/ch.7

13642 Special military operations handbook, Change 2. [July 3, 1969.] [63] p. 4° (7610.4A CHG 2.) [Effective Nov. 1, 1969. Cancellation date Jan. 1, 1970. Issued in looseleaf form.] † • Item 431-D-1

TD 4.308 : M 59/ch.2

13643 Terminal air traffic control handbook, Change 9. [July 3, 1969.] [92] p. ll. 4° (7110.8 CHG. 9.) [Effective Oct. 1, 1969. Conellation date Jan. 1, 1970. Issued in looseleaf form.] † • Item 431-D-1

TD 4.308 : T 27/ch.9

**AIRCRAFT DEVELOPMENT SERVICE, Transportation Dept.**  
Washington, DC 20553

NOTE.—The Aircraft Development Service was established by the Administrator of Federal Aviation Administration in July 1962, with the mission to seek solutions to "hard core" aviation safety problems.

13644 Experiments with icephobic surfaces; by George C. Hay [1969.] [25] p. 4° [Presented to FAA symposium on aircraft ice protection, Apr. 30, 1969, FAA Washington headquarters.] †

TD 4.602 : Ic 2

13645 Operational evaluation of STOL aircraft and related STOL developments [paper] by J. Clay Staples, Program Manager, Aircraft Division, Aircraft Development Service, Federal Aviation Administration, Washington, D.C., presented to 3d annual R&D report to industry, June 17, 1969. [1969.] [1]+6 p. 4° †

TD 4.610 : St 2

Report FAA DS (series).

13646 68-15. Study to determine flight profile and mission of certificated private pilot, final report; prepared by J. J. Eggspuehler, G. S. Weislogel et al. July 1968. v+82+[2] p. ll. 4° ([Contract FA67WA-1760]; project 560-004-05H.) †

TD 4.611 : 68-15

13647 Runway traction [paper] by R. C. McGuire, Program Manager, Airframe Aircraft Development Service, Federal Aviation Administration, Washington, D.C., presented to 3d annual R&D report to industry, June 17, 1969. [1969.] [1] p.+4 leaves, 4° †

TD 4.610 : M 17

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## GOVERNMENT PUBLICATIONS

### AIRPORTS SERVICE, Transportation Dept. Washington, DC 20553

13648 Opportunities for development of national airport system; by Chester G. Bowers. [1969.] 19 p. ll. 4° [Presented at American Society of Civil Engineers national meeting on transportation engineering, Washington, D.C., July 22, 1969.] ♦ TD 4.102: Op 5

13649 Staff study, 1980 metropolitan area airport capacity analysis, location—Atlanta, Ga.; prepared by Louis N. Million. [June 19, 1969.] [1]+ll +[4]+18 p. ll. 4° [Issued with perforations.] ♦ TD 4.102: M 56

### APPALACHIAN REGIONAL COMMISSION 1666 Connecticut Avenue, NW, Washington, DC 20009

Appalachian research report.

13650 8. Preliminary analysis for development of central Appalachia, Kentucky, Tennessee, Virginia, West Virginia. [1969.] [137] p. ll. 4° ♦ Y 3.Ap 4/2: 10/8

### ARMED FORCES INFORMATION SERVICE, Defense Dept. Washington, DC 20301

DoD [pamphlet].

13651 PA-3B. Uniformed services health benefits program. Revised [edition]. [May 1969.] [4]+39 p. ll. narrow 12° [Army Dept.] DA Pam 360-505; [Navy Dept.] NAVPERS 15203B; [Air Force] AFP 168-1; [Marine Corps] NAVMC 2601; [Coast Guard] CG-144; [Public Health Service] PHS-CCPM Pam-16; [Environmental Science Services Administration] ESSA CO-3. [Supersedes DoD PA-3a/DA Pam 360-505/NAVPERS 15203A/CG-144/PHS-CCPM Pam-16/ESSA CO-3/AFP 168-1 and NAVMC 2601, June 23, 1967.] ♦ ● Item 312-A D 2.14: PA-3 B

### ARMY DEPARTMENT, Defense Dept. Washington, DC 20301

AMC pamphlet. (Army Material Command.)

13652 335-1. Reports, register of approved recurring reports. July 1969. cover title, iv+192 p. 4° [Quarterly. Issued with perforations. Supersedes AMCP 335-1, Jan. 31, 1969.] ♦ ● Item 322-A L.C. card 67-60397 D 101.22/3: 335-1/16

Cold Regions Research & Engineering Laboratory, Hanover, N.H.: [Technical] report. (Army Materiel Command.)

13653 218. Shock tube experiments on snow [with list of literature cited]; by James L. Smith. June 1969. iv+16 [2] p. ll. 4° (DA task, 1T-062112A13001, Terrestrial Sciences Center.) ♦ D 103.33: 218

Field manual FM (series). ♦ ● Item 324 D 101.20: (nos.)

13654 17-1. Armor operations; Change 1. Aug. 15, 1969. 73 p. ll. 4° [Issued with perforations.]

13655 31-70. Basic cold weather manual, Change 1. Dec. 17, 1968. 2 p. 4° [Issued with perforations.]

13656 55-10. Army transportation movements management [with list of references]. June 1969. cover title, [181] p. ll. 4° [Issued with perforations. Supersedes FM 55-4, Dec. 22, 1959; FM 55-4-1 (Test), Apr. 21, 1967; and FM 55-10, June 7, 1965.]

Natick Laboratories, Natick, Mass.: Technical reports. (Army Materiel Command.)

13657 69-28-ES. Environmental conditions relating to harmful insects of mainland southeast Asia [with selected bibliography]; by Edgar Bingham. Oct. 1968. vi+44+[20] p. ll. 4° (Earth Sciences Laboratory, ES-40; project references 1T-062109A129.) ♦ D 106.21: 69-28-ES

Pamphlets. ● Item 327 (Rev. 1969) D 101.22: (nos.)

13658 135-2. Briefing on reemployment rights of members of Army National Guard and Army Reserve. Apr. 1969. cover title, 9 p. 4° [Corrected copy. Issued with perforations. Supersedes DA pamphlet 135-2, Oct. 6, 1967.] ♦

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13659 360-303. Officers' call: The challenge of leadership. May 27, 1969, cover title, 14+[2] p. ll. 4<sup>o</sup> [Text on p. 2-8 of cover. Supersedes DA Pam 355-26, 1961.] \* Paper, \$3.25.

13660 550-7. Latin America and the Caribbean, analytical survey of literature, 1969 edition. Feb. 1969, cover title, viii+319 p. ll. 38 maps, 5 are in pocket, 2 tab. 4<sup>o</sup> [Some maps are colored.] \* Paper, \$8.25. L.C. card 76-603569

Technical manual TM (series). : Item 329 D 101.11 : (nos.)

13661 5-822-4. Soil stabilization for roads and streets. June 1969, cover title, 18+[1] p. ll. 4<sup>o</sup> (Department of Air Force manual AFM 88-7, chap. 4.) [Issued in looseleaf form. Supersedes TM 5-822-4, July 31, 1961, formerly designated as Corps of Engineers, Engineer manual EM 1110-345-304, and AFM 88-7, chap. 4, July 31, 1961.]

13662 5-823-3. Army airfield and heliport rigid and overlay pavement design, Oct. 10, 1968, Change 1, Aug. 20, 1969. [1]+10+1-3 p. 4<sup>o</sup> [Issued with perforations.]

13663 10-280. Field laundry, bath, and clothing exchange operations, Change 1, Aug. 6, 1968, 2 p. 4<sup>o</sup> [Issued with perforations.]

Technical research notes. (Behavioral Science Research Laboratory.)

D 101.60 : (nos.)

13664 201. Team interpretation procedures, selection of teammates and role assignment; [by] George W. Doten and Robert Sadacca. Jan. 1969, [8]+27 p. 4<sup>o</sup> (U.S. Army Behavioral Science Research Laboratory, Army project 20662704A721, contract DA 49-092-ARO-65, Component integration work unit.) \* Paper, \$3.00 (AD 683140).

13665 203. Factorially derived information measures for differential prediction of officer performance; [by] William H. Helme. Dec. 1968, [8]+20 p. 4<sup>o</sup> (Behavioral Evaluation Research Division, Army project 2306216A722, Office prediction d-41.) \* Paper, \$3.00 (AD 686288).

13666 206. Effect of disparity in photo scale and orientation on change detection; [by] C. L. Klingberg, C. L. Elworth, and Abraham H. Birnbaum. Jan. 1969, [8]+36 p. ll. 4<sup>o</sup> (Army project 20662704A721, contract DA-49-092 ARO-92, Interpreter techniques a-51.) \* Paper, \$3.00 (AD 688967).

13667 207. Effects of spectrum sampling on speech intelligibility [with list of literature cited; by] Anthony E. Castelnovo. Mar. 1969, [8]+19 p. ll. 4<sup>o</sup> (Combat Systems Research Division; Army project 20062106A723, Monitor performance-c.) \* Paper, \$3.00.

Technical research report. (Behavioral Science Research Laboratory.)

13668 1156. Implications of BESRL [Behavioral Science Research Laboratory] research for displays in tactical information processing [with bibliographies; by] James M. McKendry, Douglas J. Mace and James D. Baker. Jan. 1969, [8]+28 p. 4<sup>o</sup> (Support Systems Research Division; Army project 20062106A728, contract DA HC 19-68-C-0006, Tactical information processing b-11.) \* Paper, \$3.00 (AD 688581).

D 101.60/2 : 1156

USAAVLABS technical report. (Army Aviation Materiel Laboratories, Fort Eustis, Va.) : D 117.8-2 : (nos.)

13669 68-49D. Investigation of dynamic stability characteristics of quad configuration, ducted propeller V/STOL model: v. 4, Longitudinal stability characteristics of quad configuration, ducted-propeller V/STOL model at high duct incidence [with list of references]; by Howard C. Curtis, Jr. May 1969, cover title, [1]+xvii+82+[2] p. ll. 4<sup>o</sup> (Contract DAJ02-67-C-0025; Department of Aerospace and Mechanical Sciences, Princeton University, Princeton, N.J.)

13670 68-73. Effect of test machine extensional rigidity on initial buckling load for unreinforced circular cylindrical shells in axial compression [with list of literature cited]; by W. H. Horton [and others]. Mar. 1969, cover title, [1]+ix+48+[2] p. ll. 4<sup>o</sup> (Contract DA 44-177-AMC-258(T); Stanford University, Stanford, Calif.) [Errata, 1 p., issued also.]

13671 68-74. Capacitive measurement system for nondestructive testing of fiber glass reinforced plastic laminates; by Strether Smith, Jan. 1969, cover title, [1]+viii+24+[2] p. ll. 4<sup>o</sup> (Contract DA 44-177-AMC-115(T); Department of Aeronautics and Astronautics, Stanford University, Stanford, Calif.) [Errata, 1 p., issued also.]

13672 68-75. Thermal ram, new concept for load application [with list of references]; by W. H. Horton, S. C. Bailey, Strether Smith, Jan. 1969, cover title, [1]+vi+24+[2] p. ll. 4<sup>o</sup> (Contract DA 44-177-AMC-115(T); Department of Aeronautics and Astronautics, Stanford University, Stanford, Calif.) [Errata, 1 p., issued also.]

13673 68-76. Use of small and large displacement data from essentially elastic buckling tests on columns and plates as means of correlating theory and experiment [with list of literature cited]; by W. H. Horton, D. J. Tenerelli, B. T. Willey. Mar. 1969, cover title, [1]+ix+37+[2] p. ll. 4<sup>o</sup> (Contract DA 44-177-AMC-258(T), Stanford University, Stanford, Calif.) [Errata, 1 p., issued also.]

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## GOVERNMENT PUBLICATIONS

### USAAVLABS technical report—Continued

13674 68-77. Applicability of Southwell plot to interpretation of test data from instability studies of shell bodies [with list of references cited]; by W. H. Horton, F. L. Cundari. Mar. 1969. (Contract DA 44-177-AMC-258(T); Stanford University, Stanford, Calif.) [Errata, 1 p. issued also.]

13675 68-90c. Single-stage axial compressor component development for small gas turbines, v. 3. Supersonic compressor stage development by Charles H. Muller, Leslie R. Cox. June 1969. cover title, [1]+xvi+111+[2] p. ii. 4° (Contract DA 44-177-AMC-392(T); Curtiss-Wright Corporation, Wood-Ridge, N.J.) [Errata, 1 p. issued also.]

13676 69-7. Aerodynamic and aeroelastic characteristics of full-scale rotor blade stopped in flight [with list of references]; by Richard P. White, Jr. Apr. 1969. cover title, [1]+xiv+126+[2] p. ii. 4° (Contract DA 44-177-AMC-396(T); Cornell Aeronautical Laboratory, Inc., Buffalo, N.Y.) [Errata, 1 p. issued also.]

13677 69-13. Review of preliminary evaluation of lifting horizontal-axis rotating-wing aeronautical systems (HARWAS) [with bibliographical listing]; by W. F. Foshag, G. D. Boshier. Mar. 1969. cover title, [1]+xxiv+396+[2] p. ii. 4° (Contract DAAJ02-67-C-0046, Aerophysics Company, Washington, D.C.) [Erratum, 1 p. issued also.]

13678 U.S. Army register: v. 1, Regular Army active list, Jan. 1, 1969. 1969. xlii+[3]+468 p. 4° [Also issued as H. doc. 25, pt. 1, 91st Cong., 1st sess.] \* Paper, \$4.25. • Item 332  
L.C. card 4-18250 D 102.9 : 969/v.1

13679 —— v. 2, Army NGUS, USAR, and other active lists, Jan. 1, 1969. 1969. xlii+[4]+1259 p. 4° [Also issued as H. doc. 25, pt. 2, 91st Cong., 1st sess.] \* Paper, \$9.50. • Item 332  
L.C. card 4-18250 D 102.9 : 969/v.2

13680 —— v. 3, Retired lists, Jan. 1, 1969. 1969. vi+[5]+398 p. 4° [Also issued as H. doc. 25, pt. 3, 91st Cong., 1st sess.] \* Paper, \$3.50. • Item 332  
L.C. card 4-18250 D 102.9 : 969/v.3

13681 —— v. 4, Officers' honorary retired list, Jan. 1, 1969. [1969.] [2]+8 p. [Also issued as H. doc. 25, pt. 4, 91st Cong., 1st sess.] \* Paper, 10c  
• Item 332  
L.C. card 4-18250 D 102.9 : 969/v.4

13682 Where the leaders are. [June 1969.] [20] p. ii. narrow 8° (RPI 699-B.) † • Item 325 D 101.2 : L 46/969

13683 Your military obligation. Apr. 1969. [2] p. oblong 8° † • Item 325  
D 101.2 : M 59/3

### ATOMIC ENERGY COMMISSION Washington, DC 20545

13684 AEC news release index, Jan.-June 1969; prepared by Division of Technical Information Extension. July 1969. [3]+8 p. 4° † U.S. Atomic Energy Commission, Division of Public Information, Washington, DC 20545  
L.C. card 50-62302 Y 3. At 7 : 44 N 47/960

AEC research and development reports. Y 3. At 7 : 22/(letters-nos.)

13685 AEC-tr-7013. Radiobiology, v. 8, no. 6, 1968 [articles with biographies]. [May 1969.] cover title, [1]+a-d+232 p. ii. 4° (Division of Technical Information.) [Translation of publication of Academy of Sciences, USSR.] \* Paper, \$3.00

13686 CEND-337 (v. 1). 1000 MWe LMFBR liquid metal fast breeder reactor follow-up study: Combustion Engineering, task 2 and 3 report, Reference conceptual design of 1000 MWe LMFBR, v. 1, Conceptual system design descriptions [with lists of references]. [1969.] cover title, [2]+xi+105 p. 22 p. of pl. 4° (Division of Technical Information.) [Prepared for Argonne National Laboratory; contract 31-109-38-1909, Nuclear Power Department, Combustion Engineering, Inc., Windsor, Conn.] \* Paper, \$3.00.

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13687 CEND-337 (v. 2).

1000 MWe LMFBR liquid metal fast breeder reactor follow-up study: Combustion Engineering, task 2 and 3 report. Reference conceptual design of 1000 MWe LMFBR, v. 2. Static design and performance analyses [with list of references]. [1969.] cover title, [1]-viii+107+[4] p. 37 pl. 4° (Division of Technical Information.) [Prepared for Argonne National Laboratory; contract 31-109-38-1999, Nuclear Power Department Combustion Engineering, Inc., Windsor, Conn.] ♦ Paper, \$3.00.

13688 CEND-337 (v. 3).

1000 MWe LMFBR liquid metal fast breeder reactor follow-on study: Combustion Engineering, task 2 and 3 report. Reference conceptual design of 1000 MWe LMFBR, v. 3. Safety and control analyses [with list of references]. [Sept. 1968.] cover title, [212] p. II. 4° (Division of Technical Information.) [Prepared for Argonne National Laboratory; contract 31-109-38-1999.] ♦ Paper, \$3.00.

13689 CEND-346.

1000 MWe LMFBR liquid metal fast breeder reactor follow-on study: Combustion Engineering, task 4 report. Research and development program needed for C-E reference concept [with lists of references]. [Feb. 1969.] cover title, vi+200 p. II. 4° (Division of Technical Information.) [Prepared for Argonne National Laboratory; contract 31-109-38-1999.] ♦ Paper, \$3.00.

13690 CONF-670846.

Conference on special topics on nuclear education, and research held in Gatlinburg, Tenn., Aug. 28-30, 1967 [with lists of references]. [Apr. 1969.] cover title, iii+284 p. II. 4° ♦ Paper, \$3.00.

13691 GEAP-5769.

1000 MWe LMFBR liquid metal fast breeder reactor follow-on study: General Electric, task 4 report. Research and development requirements for 1000 MWe sodium-cooled fast reactor [with list of references]. [Apr. 1969.] cover title, [231] p. II. 4° (Division of Technical Information.) [Prepared for Argonne National Laboratory; contract 31-109-38-1997.] ♦ Paper, \$3.00.

13692 HASL-205.

Experimental and theoretical studies of transport of gamma rays through slab shields [with list of references; by Burton G. Bennett, Gail deP. Burke, and Harold L. Beck]. Jan. 1969. cover title, vi+46 p. II. 4° (Division of Technical Information; Health and Safety Laboratory, AEC, New York Operations Office, New York, N.Y.) ♦ Paper, \$3.00.

13693 HASL-206.

Feasibility study of using LiF detectors in neutron flux integrator [with list of references; by Arthur S. Lazanoff, James E. McLaughlin]. Mar. 1969. cover title, iv+28 p. II. 4° (Health and Safety Laboratory, AEC, New York Operations Office, New York, N.Y.) ♦ Paper, \$3.00.

13694 HASL-210.

Health and Safety Laboratory fallout program, quarterly summary report [Mar. 1-June 1, 1969; prepared by Edward P. Hardy, Jr., Joseph Riveral]. July 1, 1969. cover title [234] p. II. 4° (Environmental Studies Division, New York Operations Office.) [Includes list of recent publications related to radionuclide studies.] ♦ Paper, \$3.00.

L.C. card 68-62525

Health and Safety Laboratory fallout program, quarterly summary report [Mar. 1-June 1, 1969], appendix. July 1, 1969. cover title [385] p. II. 4° ♦ Paper, \$3.00.

L.C. card 68-62525

Injection of gas into lithosphere at National Reactor Testing Station, Idaho Falls, Idaho [with list of references; compiled by Bruce L. Schmaiz]. June 1969. cover title, xii+166 p. II. 4° ([Environmental Branch, Health Services Laboratory, Idaho Operations Office].) ♦ Paper, \$3.00.

Basic development and applications of bubble chambers for low level counting, final report [with list of references; prepared by C. P. Petroff, W. S. Koski, and J. R. Waters]. Jan. 31, 1969. cover title, vii+104 p. II. 4° (Johnson Laboratories, Incorporated, Cockeysville, Md.; [AEC contract AT(30-1)-3506].) ♦ Paper, \$3.00.

Annual progress report for period July 1967-June 1968 [with lists of references]; Apr. 1969. cover title, vii+78 p. II. 4° (New Brunswick Laboratory, New Brunswick, N.J.) ♦ Paper, \$3.00.

13698 NBL-247.

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## GOVERNMENT PUBLICATIONS

AEC research and development reports—Continued

13699 NYO-40 (rev. 2). Technical discussions of offsite safety programs for underground nuclear detonations [with bibliographies; prepared by Administrative Publications Section, Reynolds Electrical & Engineering Co., Inc.]. May 1969. cover title, v+311 p. ll. 4° (Nevada Operations Office.) ♦ Paper, \$3.00.

13700 NYO-2740-6. Annual report on research project [Radiation physics, biophysics, and radiation biology], Jan. 1, 1969 [with bibliographies]. Apr. 1969. cover title, 879 p. ll. 4° (Radiological Research Laboratory, Columbia University, New York, N.Y.) ♦ Paper, \$3.00.

13701 NYO-3740-2. Portable cesium irradiator operational reports 1 and 2; [prepared by Carl B. Wootten, W. B. Grant]. Mar. 1968. [89] p. ll. 4° (Division of Technical Information, [Isotopes, Inc., Westwood, N.J.] ♦ Paper, \$3.00.

13702 NYO-3740-3. Atomic Energy Commission mobile cesium irradiator visit to Washington State, Oct. 1967-Mar. 1968; [Prepared by Office of Nuclear Energy Development, Department of Commerce & Economic Development, State of Washington, for Division of Isotopes Development.] [Apr. 1968.] cover title, [5] + 156 p. ll. 4° ([Contract AT (30-1)-3740].) ♦ Paper, \$3.00.

13703 NYO-3864-1. Development of radioactive pebble bed chemical reactor system, phase 2 report [with list of references; prepared by J. Y. Yang, H. T. Cullinan [and; C. C. Thomas, Jr.]. Feb. 14, 1969. cover title, v+64 p. ll. 4° (Division of Technical Information; Western New York Nuclear Research Center, Incorporated, Buffalo, N.Y.) ♦ Paper, \$3.00.

13704 PNE-322. Plowshare, civil, industrial and scientific uses for nuclear explosives: [Project] Buggy, preshot geologic and engineering properties investigations [with list of references]; by R. J. Lutton, R. W. Hunt, R. E. Rowland. Apr. 1969. cover title, 103 p. ll. 4° (Army Engineer Waterways Experiment Station, Corps of Engineers, Vicksburg, Miss.) [Prepared for Army Engineer Nuclear Cratering Group, Livermore, Calif.] ♦ Paper, \$3.00.

13705 PNE-611. Plowshare, peaceful uses for nuclear explosives, Project Dugout, Nevada test site, June 24, 1964: Seismic interference & reciprocity for HE row charge, final report [with list of references; by P. C. Louz and J. R. Murphy]. June 27, 1969. cover title, [40] p. ll. 4° (Environmental Research Corporation, Alexandria, Va.; [contract AT (29-2)-1163].) ♦ Paper, \$3.00.

13706 PNE-806F. Plowshare, civil, industrial and scientific uses for nuclear explosives, Project Handcar, Nevada test site, Nov. 5, 1964: Analysis of data on ground motion and containment [with list of references]. May 12, 1969. cover title [56] p. ll. 4° (Environmental Research Corporation, Alexandria, Va.; [contract AT(29-2)-1163].) ♦ Paper, \$3.00.

13707 PNE-956. Plowshare, civil, industrial and scientific uses for nuclear explosives: Cabriolet, ecological and environmental effects from local fallout from Cabriolet; 1. Radiation doses and short-term effects on vegetation from close-in fallout [with list of references; by William A. Rhoads and others]. June 25, 1969. cover title, viii+65 p. ll. 4° ([Project CEP-87.3]; EG&G, Inc., Goleta, Calif.) ♦ Paper, \$3.00.

13708 PNE-5004F. Plowshare, U.S. Army Corps of Engineers, civil, industrial and scientific uses for nuclear explosives: Construction techniques and costs for underground emplacement of nuclear explosives [with bibliography]; by J. L. Hair. Apr. 1969. [297] p. ll. 4° [Prepared for U.S. Army Engineer, Nuclear Cratering Group, Livermore, Calif.] ♦ Paper, \$3.00.

13709 RME-150. Preliminary reconnaissance for uranium in Arkansas, Illinois, Kentucky, Michigan, Minnesota, Missouri, Ohio, and Wisconsin, 1952-56. Aug. 1968. cover title, 89 p. ll. 4° (Division of Raw Materials, Atomic Energy Commission and Geological Survey.) [Page 89, last page of text, printed on p. 3 of cover.] ♦ Paper, \$3.00.

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13710 RME-151. Preliminary reconnaissance for uranium in Kansas, Nebraska, and Oklahoma, 1951-56. Aug. 1968. cover title, 75 p. ll. 4° (Grand Junction Office, Atomic Energy Commission, Grand Junction, Colo., and Geological Survey, Washington, D.C.) [Page 73, last page of text, printed on p. 3 of cover.] \* Paper, \$3.00.

13711 RME-4103. Preliminary reconnaissance for uranium in Maryland and Pennsylvania, 1953-57. Aug. 1968. cover title, 80 p. 4° (Division of Raw Materials, Atomic Energy Commission and Geological Survey.) \* Paper, \$3.00.

13712 RME-4104. Preliminary reconnaissance for uranium in Alabama, Georgia, Mississippi, Tennessee, Virginia, and West Virginia, 1950-55. Aug. 1968. cover title, 77 p. 4° (Geological Survey.) \* Paper, \$3.00.

13713 RME-4105. Preliminary reconnaissance for uranium in North and South Carolina, 1953-1956. Aug. 1968. cover title, 72 p. ll. 4° (Division of Raw Materials, Atomic Energy Commission, and Geological Survey.) \* Paper, \$3.00.

13714 TID-85 (7th rev.). Report number series used by Division of Technical Information in cataloging reports; [compiled by Helen W. White]. 7th revised edition Sept. 1969. [1969.] cover title, [5] + 169 p. 4° [Supersedes all previous revisions including TID-85 (2d rev. suppl.).] \* Paper, \$3.00.

13715 TID-3525 (rev. 5, suppl. 4). Reactor safety, literature search; [compiled by Henry D. Raleigh] [May 1969.] cover title, vi+68+85 p. 4° (Division of Technical Information Extension, Oak Ridge, Tenn.) \* Paper, \$3.00.

13716 TID 8200 (20th rev.). Nuclear reactors built, being built, or planned in United States as of June 30, 1969; prepared by Office of Assistant General Manager for Reactors. [1969.] cover title, 34 p. 4° \* Paper, \$3.00.

13717 TID-24923. Radiation-induced polymerisation and copolymerization of unusual monomers [with list of references; prepared by V. T. Stannett, and others]. Jan. 8, 1968. cover title, ix+145 p. ll. 4° (Division of Technical Information; Camille Dreyfus Laboratory, Research Triangle Institute, Durham, N.C.) \* Paper, \$3.00.

13718 TID-25021. Summary of current seismic design practice for nuclear reactor facilities [with lists of references; by John A. Blume and Associates, Engineers, San Francisco, Calif. Sept. 1967. viii+142 p. ll. 4° (Division of Technical Information.) \* Paper, \$3.00.

13719 TDI-25085. Control and reduction of oil mists from mechanical vacuum pumps, glovebox fire safety application [with bibliography; by R. D. Edwards, P. E. Johnson, and C. Yao]. 1969. cover title, [1] + v + 12 + [17] p. ll. 4° [Prepared by Factory Mutual Corporation.] \* Paper, 45c. • Item 1051-C

13720 TID-[25086]. Evaluation of improved fire resistant glove materials for gloveboxes, glovebox fire safety application [with bibliography]; [by P. E. Johnson]. 1969. cover title, [1] + v + 5 + [2] p. ll. 4° [Prepared by Factory Mutual Research Corporation. TID number incorrectly given as TID-25085.] \* Paper, 25c. • Item 1051-C

13721 UNC-5236. Performance evaluation of heat exchangers for sodium-cooled reactors, final status report [with list of references; by K. Goldman, S. L. Israel, D. J. Nolan]. June 1969. cover title, ix+303 p. ll. 4° (Research and Engineering Center, United Nuclear Corporation, Elmsford, N.Y.) \* Paper, \$3.00.

13722 Radiation protection, past, present, and future, remarks by James T. Ramey, Commissioner, Atomic Energy Commission, at conference on universities, national laboratories, and man's environment, Chicago, Ill., July 28, 1969. [with list of references]. 1969. [28] leaves, 4° (S-25-60.) ↑ Y 3. At 7:34 Se 1/181

13723 Science, technology and the citizen, remarks by Glenn T. Seaborg, Chairman, Atomic Energy Commission, at Nobel symposium on the place of values in a world of facts, Stockholm, Sweden, Sept. 17, 1969. 1969. 16 leaves, 4° (S-26-69.) ↑ Y 3. At 7:34 Se 1/181

13724 Telephone directory, Atomic Energy Commission. Aug. 1969. cover title, vi+82 p. [Text on p. 2-4 of cover.] \* Paper, 75c. Y 3. At 7:55/969-2

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13725 Understanding nuclear power [with list of references], remarks by James T. Ramey, Commissioner, Atomic Energy Commission, at Conference on Nuclear Power, Burlington, Vt., Sept. 11, 1969. Sept. 15, 1969. [1] + 13 leaves, 4° (S-28-69.) † Y 3. At 7: 34 R 14/23

BUSINESS AND DEFENSE SERVICES ADMINISTRATION, Commerce  
Dept., Washington, DC 20230

13726 Foreign regulations affecting U.S. textile/apparel exports. Sept. 15, 1968. [4] + 102 + 9 p. 4° (Office of Textiles.) † L.C. card 74-603650 C 41.2 : T 31/5

13727 Franchise company data for equal opportunity in business; [compiled by Sharon K. Gibson]. July 1969. xxi + 147 p. 4° [Includes list of sources of franchising information.] † • Item 215 L.C. card 67-60961 C 41.2 : F 84/909

13728 Major government sources and statistics for marketing research, address by Jacob Epstein Katz, Director, Office of Marketing, Business and Defense Services Administration, Department of Commerce, prepared for delivery at Marketing Conference of American Marketing Association, Denver, Colo., May 13, 1969. 1969. 12 p. 4° † C 41.15 : K 15/9

13729 Patterns of industrial growth: Shipments of fluorescent lamp ballasts, 1958-68. Aug. 1969. 3 p. 4° † Paper, 10c. C 41.90/5 : B 21/958-68

13730 — Shipments of mining machinery and equipment, 1961-68. June 1969. 3 p. 4° † Paper, 10c. C 41.90/5 : M 86/961-68

13731 U.S. imports of scientific, industrial, and technical instruments, 1958-67; [prepared by Fred E. Crosley, Jr.]. July 1968. 4 p. † C 41.2 : In 7/2/958-66/suppl.

CENSUS BUREAU, Commerce Dept.  
Suitland, MD 20233

13732 About census '70. [1969.] 4 p. † C 3.2 : C 33/23  
1967 census of business: Retail trade [area statistics] BC67-RA (series). [Preprint from v. 2, Retail trade, area statistics.] C 3.202/2 : 967/(nos.)

13733 5. Arkansas. [Aug. 1969.] iv + 54 p. ll. 4° \* Paper, 65c. • Item 132-A-5

13734 9. Delaware. [Aug. 1969.] iv + 34 p. ll. 4° \* Paper, 50c. • Item 132-A-9

13735 11. Florida. [Sept. 1969.] iv + 98 p. ll. 4° \* Paper, \$1.00. • Item 132-A-11

13736 15. Illinois. [Aug. 1969.] iv + 108 + [2] p. ll. 4° \* Paper, \$1.25. • Item 132-A-16

13737 16. Indiana. [Aug. 1969.] iv + 90 p. ll. 4° \* Paper, \$1.00. • Item 132-A-17

13738 17. Iowa. [Aug. 1969.] iv + 58 p. ll. 4° \* Paper, 70c. • Item 132-A-18

13739 18. Kansas. [Aug. 1969.] iv + 54 p. ll. 4° \* Paper, 60c. • Item 132-A-19

13740 19. Kentucky. [Aug. 1969.] iv + 60 + [1] p. ll. 4° \* Paper, 70c. • Item 132-A-20

13741 24. Michigan. [Aug. 1969.] iv + 96 + [1] p. ll. 4° \* Paper, \$1.00. • Item 132-A-25

13742 25. Minnesota. [Sept. 1969.] iv + 58 p. ll. 4° \* Paper, 65c. • Item 132-A-26

13743 29. Nebraska. [Aug. 1969.] iv + 42 p. ll. 4° \* Paper, 55c. • Item 132-A-30

13744 32. New Jersey. [Aug. 1969.] iv + 100 p. ll. 4° \* Paper, \$1.00. • Item 132-A-33

13745 34. New York. [Aug. 1969.] iv + 144 p. ll. 4° \* Paper, \$1.50. • Item 132-A-35

13746 35. North Carolina. [Aug. 1969.] iv + 90 p. ll. 4° \* Paper, \$1.00. • Item 132-A-36

13747 37. Ohio. [Sept. 1969.] iv + 138 p. ll. 4° \* Paper, \$1.25. • Item 132-A-38

13748 38. Oklahoma. [Aug. 1969.] iv + 62 p. ll. 4° \* Paper, 65c. • Item 132-A-39

13749 40. Pennsylvania. [Sept. 1969.] iv + 132 + [1] p. ll. 4° \* Paper, \$1.25. • Item 132-A-41

13750 44. Tennessee. [Aug. 1969.] iv + 64 + [1] p. ll. 4° \* Paper, 65c. • Item 132-A-45

13751 45. Texas. [Aug. 1969.] iv + 148 + [1] p. ll. 4° \* Paper, \$1.50. • Item 132-A-46

13752 50. West Virginia. [Aug. 1969.] iv + 52 p. ll. 4° \* Paper, 65c. • Item 132-A-52

13753 51. Wisconsin. [Aug. 1969.] iv + 82 p. ll. 4° \* Paper, \$1.00. • Item 132-A-53

1967 censuses of business, manufactures, and mineral industries, EC67 (series). [Prepared in Business Division.] C 3.202/16 : 967/(nos.)

13754 1. Virgin Islands of United States. [Aug. 1969.] iv + 21 p. ll. 4° \* Paper, 50c. • Item 132-A-49

13755 2. Guam. [Aug. 1969.] iv + 22 p. ll. 4° \* Paper, 50c. • Item 132-A-13

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1967 census of business: Selected services area statistics BC67-SA (series).  
 [Preprint of v. 8, Selected services, area statistics.]  
 C 3.202/14: 967/(nos.)

13756 4. Arizona. [Sept. 1969.] iv+45 p. ll. 4° \* Paper, 55c. • Item 132-A-4  
 13757 30. Nevada. [Sept. 1969.] iv+39 p. ll. 4° \* Paper, 55c. • Item 132-A-31

13758 1970 census photo log. July 1969. 10 p. ll. oblong 8° ↑ C 3.2:C 33/24  
 Census use study report.

13759 2. Computer mapping: [prepared by Amy B. Unfried]. [Aug. 1969.] [3]+44 p.  
 ll. 4° [Text on p. 2 and 3 of cover.] ↑ Paper, 25c. C 3.244: 2

13760 Cotton production in United States, crop of 1968. [1969.] iii+40 p. ([Agriculture Division.]) \* Paper, 20c. • Item 141  
 L.C. card 25-26735 C 3.32: 968

13761 Current industrial reports: Mattresses and bedsprings, summary for 1968.  
 July 24, 1969. 3 p. 4° (Series M25E(68)-13.) ↑ Paper, 15c. • Item 142-A  
 C 3.158: M 25 E(68)-13

13762 —— Shipments of defense-oriented industries, 1967. Aug. 11, 1969. [3]+33  
 p. 4° (Series MA-175(67)-2.) ↑ Paper, \$1.00. • Item 142-A  
 C 3.158: MA-175(67)-2

Current population reports: Series P-20, Population characteristics.  
 \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. • Item 142-C C 3.186: P-20/(nos.)

13763 189. Selected characteristics of persons and families, Mar. 1969, income, poverty, education, mobility, family and household composition, fertility. Aug. 18, 1969. ll+15 p. 4° \* Paper, 20c.

Current population reports: Series P-23, Technical studies. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. • Item 142-C C 3.186: P-23/(nos.)

13764 28. Revision in poverty statistics, 1959 to 1968. Aug. 12, 1969. 7 p. 4° \* Paper, 10c.

Current population reports: Series P-25, Population estimates and projections. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. • Item 142-C C 3.186: P-25/(nos.)

13765 424. Estimates of population of United States to May 1, 1969. June 18, 1969. 2 p.  
 4° \* Paper, 5c.

13766 428. Estimates of population of United States by age, race, and sex, July 1, 1969 (advance report.) Aug. 19, 1969. 2 p. 4° \* Paper, 5c.

13767 429. Estimates of population of United States to July 1, 1969. Aug. 20, 1969.  
 2 p. 4° \* Paper, 5c.

13768 430. Estimates of population of States, July 1, 1968 and 1969 (advance report.) Aug. 29, 1969. 2 p. 4° \* Paper, 5c.

Current population reports: Series P-60, Consumer income. \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. • Item 142-C C 3.186: P-60/(nos.)

13769 63. Average family income up 8 percent in 1968 (advance data from Mar. 1969 sample survey). Sept. 8, 1969. 5 p. 4° \* Paper, 10c.

Current population reports: Series P-65, Consumer buying indicators.  
 \* Paper, \$8.50 (including Series P-20, P-23, P-25, P-26, P-27, P-28 summaries, P-60, and P-65 for one year), \$2.50 additional for foreign mailing; single copy, prices vary. • Item 142-C C 3.186: P-65/(nos.)

13770 27. Recent purchases of cars, houses, and other durables and expectations to buy during months ahead, survey data through July 1969. Aug. 22, 1969.  
 ll+18 p. ll. 4° \* Paper, 20c.

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 Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

Data access descriptions: Census tabulations available on computer tape series, CT-. [Intended as introductions to means of access to Census Bureau data for persons with data requirements not fully met by printed reports.] ↑ ● Item 142-D C 3.240/3 : (nos.)

13771 3. Second count summary tapes from 1970 census of population and housing. Aug. 1969. 13 p. 4° (DAD 8.)

13772 4. Third count (block) summary tapes from 1970 census of population and housing. Aug. 1969. 6 + [1] p. 4°

13773 Metropolitan area statistics. [Sept. 1969.] cover title, 863-922 p. [Includes list of related publications on p. 3 of cover. Reprint from Statistical abstract of United States, 1969.] \* Paper, 35c. C 3.134/a : M 567/969

13774 Statistical abstract of United States, 1969 [National data book and guide to sources]. 90th annual edition. 1969. [1] + xx + 1032 p. il. [Prepared under supervision of William Lerner, assistant chief, Statistical Information Division. Includes copyright material. Also issued as H. doc. 71, 91st Congress, 1st session.] \* Cloth, \$5.75. ● Item 150  
L.C. card 4-18089 C 3.134 : 969

### Technical paper.

13775 21. Postcensal survey: Characteristics of America's engineers and scientists, 1960 and 1962. [1969.] vi + 73 p. 4° ([Population Division.]) [Prepared in cooperation with National Science Foundation.] \* Paper, 70c. ● Item 151-A  
L.C. card 77-602469 C 3.212 : 21

## CHILDREN'S BUREAU, Health, Education, and Welfare Dept. Washington, DC 20201

13776 Children's Bureau publications for parents. [1969.] 4 p. il. narrow 8° ↑  
● Item 450 FS 17.212 : P 21/969

13777 Hemolytic disease of fetus and newborn due to RH isoimmunization [with list of references; prepared by Jane S. Lin-Fu]. [Sept. 1968.] 15 p. 4° ↑  
FS 17.202 : H 37

### Research reports.

13778 3. Prelude to school, an evaluation of inner-city preschool program; [by] Ivor Kraft, Jean Fuschillo, Elizabeth Hersog. 1968 [published 1969.] [4] + 92 p. 4° ↑ ● Item 453-B  
L.C. card 71-603679 FS 17.214 : 3

## CIVIL AERONAUTICS BOARD Washington, DC 20428

13779 List of U.S. air carriers; prepared by Publications Services Section. Sept. 1, 1969. 10 p. oblong 8° [Page 4 intentionally left blank.] ↑  
C 31.254 : 969-2

## CIVIL DEFENSE OFFICE (Army), Defense Dept. Washington, DC 20310

13780 Federal civil defense guide: pt. D, chap. 3, app. 3, Change 1, Instructions for preparing community shelter plan in smaller communities. July 1969. cover title, p. 13-14, 4° [Issued in looseleaf form.] ↑ ● Item 320-B-3 D 119.8/4 : pt.D/chap.3/app.3/ch.1

Leaflet L (series). ↑ ● Item 857-D-5 D 119.13 : (nos.)

13781 41. Professional development courses [in nuclear defense design] for architects and engineers. July 1969 [6] p. il. narrow 8° [Supersedes L-41, July 1968.]

13782 65. The Grange and civil defense. June 1969. [2] p. il. 4° folded into oblong 48° size.

### Technical report TR (series).

13783 59. Computer program to analyze dynamic response of high rise buildings to nuclear blast loading [with list of references]. July 1969. cover title, [200] p. il. 4° [Combined reprint of two reports published in 1964 as segments of former Professional guide series (PG 80-18-1 and PG 80-18-2). Issued with perforations.] ↑ ● Item 320-B-2 D 119.9 : 59

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Clearinghouse publications.

CR 1.10:(nos.)

13784 13. Who will listen? [1969.] cover title, [1]+16 p. 4<sup>o</sup> [Page 16 on p. 3 of cover.] † L.C. card 73-603690

13785 17. Equal employment opportunity under Federal law, guide to Federal law prohibiting discrimination on account of race, religion, or national origin in private and public employment. Aug. 1969. [4]+27 p. \* Paper, 25c. ● Item 288-A L.C. card 71-603687

**CIVIL SERVICE COMMISSION**  
Washington, DC 20415

13786 Amendment to announcement WAS-827, historian, grades GS-9 to GS-12, manpower analyst, grades GS-9 to GS-12. August 19, 1969. 1 p. oblong 48° (Interagency Board of U.S. Civil Service Examiners for Washington, D.C.) [Amends issue 190 of AN 2279.] † CS 1.26/4: 968/WAS-827/amdt.

13787 Current Federal civil service announcements, AN-2279, issue 191, Sept.-Oct. 1969. [1969.] [2] p. f° folded into narrow 8° size. † ● Item 292 CS 1.28: 2279/191

13788 Local and regional civil service examinations offering best job opportunities, AN 2280 [issued 139], Sept.-Oct. 1969. [1969.] [2] p. oblong f°, folded into narrow 8° size. † ● Item 292 CS 1.28: 2280/139

13789 Nursing careers in Federal service GS-4 through 15, announcement 419. July 1969. [2]+13 p. il. (Bureau of Recruiting and Examining.) † ● Item 292 CS 1.26: 969/419

Pamphlets. ● Item 299

CS 1.48:(nos.)

13790 4. Working for U.S.A., applying for civil service job, what the Government expects of Federal workers. Apr. 1969. 38 p. il. narrow 8° \* Paper, 20c. L.C. card 49-45939

13791 BRE-11. Returning Peace Corps volunteers. [June 1969.] [6] p. narrow 8° †

13792 BRE-17. Washington, D.C., working, living, learning, playing where the action is [June 1969.] [6] p. narrow 8° †

13793 T-2. Application of systems approach to training, case study [with bibliography]. Revised edition, June 1969. [1969.] iii+19 p. 4° ([Training systems and technology series, no. 11]; Bureau of Training.) [Originally issued as Pamphlet T-2, by Budget Bureau and Civil Service Commission.] \* Paper, 30c.

Personnel management series.

13794 21. Retired military personnel in Federal jobs. July 1969. 9+[1] p. narrow 8° (Bureau of Policies and Standards.) \* Paper, 10c. ● Item 300-A CS 1.54: 21

13795 Places where civil service examinations are held, AN 2300, Feb. 1969. [1969]. [2] p. 4° [Supersedes all earlier editions.] † CS 1.28: 2300/30

13796 Toward equal opportunity in Federal employment, for all persons to seek and to achieve their highest potential and productivity, report to the President from Civil Service Commission. [Aug. 1969.] cover title, [8] p. il. 4° [Text on p. 2-3 of cover.] † ● Item 295 L.C. card 77-603431 CS 1.2: Em 7/14

13797 Veterinarian trainee, grade GS-7, \$7,639 a year, summer employment for juniors in veterinary medicine, apply to Interagency Board of U.S. Civil Service Examiners for Washington, D.C., Hyattsville Branch Office, Federal Center Building, Hyattsville, Md. 20782, announcement WAH-922. Nov. 4, 1969. [1969.] 6 p. narrow 8° [Closing date Feb. 2, 1970. No written test required.] † ● Item 292 CS 1.26/4: 969/WAH-922

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## GOVERNMENT PUBLICATIONS

### COAST AND GEODETIC SURVEY, Commerce Dept. Washington, DC 20230

13798 Tidal current tables, Pacific Coast of North America and Asia, 1970. 1969. 254 p. ll. [Includes list of publications relating to tides and currents.] † Paper, \$2.00. • Item 191  
L.C. card 22-26900 C 4.23: 970

13799 Tide tables, high and low water predictions, central and western Pacific Ocean and Indian Ocean, 1970. 1969. 386 p. [Index map of tide table coverage on p. 2 of cover. Includes list of publications related to tides and tidal currents.] † Paper, \$2.00. • Item 196  
L.C. card 7-35369 C 4.15/6: 970

### COAST GUARD, Transportation Dept. Washington, DC 10591

13800 Correspondence course catalog, Coast Guard reserve personnel on inactive duty. 1969. cover title, [28] p. 4° (CG-391.) [Issued with perforations.] † TD 5.2: C 81/969

Oceanographic report.

13801 19. Oceanography of Grand Banks region of Newfoundland in 1967 [with list of references; by] Charles W. Morgan. [1969.] ix+209 p. ll. 4° (CG 373-19; Coast Guard Oceanographic Unit, Washington, D.C.). † • Item 940-B  
L.C. card 70-603665 TD 5.18: 19

### COMMERCE DEPARTMENT Washington, DC 20230

NOTE.—Requests to the Commerce Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

13802 Address by Thomas P. Dunne, Special Assistant to Deputy Assistant Secretary of Commerce for Economic Development, Economic Development Administration at Alabama Industrial Development Conference, Birmingham, Ala., Sept. 11, 1969. [1969.] [1] +8 p. 4° † C 1.18: D 92

13803 Auditing career in Department of Commerce. [1969.] cover title, 8 p. ll. (Office of Audits.) † C 1.2: Au 2

13804 Directory of private programs for minority business enterprise; prepared by Economic Development Administration for Office of Minority Business Enterprise. 1st edition. Aug. 1969. iii+58 p. † • Item 128-B  
L.C. card 72-603592 C 1.56: 969

13805 Federal standards policy program, address by Assistant Secretary of Commerce for Science and Technology, Myron Tribus, prepared for delivery before Standards Engineers Society's annual convention, Washington, D.C., Sept. 16, 1969. 1969. 7 p. 4° † C 1.18: T 73/4

13806 National and Regional Export Councils, helping American business to compete successfully in world markets! [Revised Aug. 1969.] [1969.] 11 p. narrow 8° † • Item 128 C 1.2: Ex 7/2

13807 Our need is so great, our objective so reasonable, our resolve so determined, remarks by Stanley Nehmer, Deputy Assistant Secretary of Commerce for Resources, prepared for delivery at 115th annual meeting of Northern Textile Association, Wentworth-by-the-Sea, Portsmouth, N.H., Sept. 16, 1969. [1969.] 11 p. 4° † C 1.18: N 31/11

13808 Remarks by Maurice H. Stans, Secretary of Commerce before Maritime Administration Research and Development Conference, Washington, D.C., Sept. 10, 1969. [1969.] 6 p. 4° † C 1.18: St 2/13

13809 Statement by William H. Chartener, Assistant Secretary for Economic Affairs, on defense-related economic activity during 2d quarter of 1969. Aug. 27, 1969. 3 p. 4° † C 1.18: C 38/23

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13810 United States Department of Commerce publications, 1968 supplement, catalog and index; [compiled by Guy F. Grossbrenner with assistance of bureau representatives]. 1969. iv+66 p. (Office of Publications.) \* Paper, 35c. • Item 128  
L.C. card 52-60731 C 1.2 : P 96/supp.968

COMMERCIAL FISHERIES BUREAU, Interior Dept.  
Washington, DC 20240

C.F.S. (series). † • Item 610-A I 49.8/2:(nos.)

13811 4919. Fish meal and oil, 1968, annual summary. [May 1969.] 4 p. ll. 4°  
13812 4929. Virginia landings, 1968, annual summary. [July 1969.] 14 p. ll. 4° [Prepared in cooperation with Virginia Marine Resources Commission, New-  
port News and Potomac River Fisheries Commission, Colonial Beach, Va.]  
13813 4935. Chesapeake fisheries, 1967, annual summary. [July 1969.] 8 p. ll. 4°  
13814 4953. Maine landings, 1968, annual summary. [May 1969.] 21 p. ll. 4°  
13815 4971. Great Lakes fisheries, 1967, annual summary. [July 1969.] 8 p. ll. 4°  
13816 5023. South Atlantic fisheries, 1967, annual summary. [Aug. 1969.] 10 p. ll. 4°

Circulars. • Item 609. I 49.4:(nos.)

13817 290. Report of Bureau of Commercial Fisheries Biological Laboratory, St. Peters-  
burg Beach, Fla., fiscal year 1967. June 1968. iii+17 p. ll. 4° [Contribution  
39, Bureau of Commercial Fisheries Biological Laboratory, St. Peters-  
burg Beach, Fla.] [Includes list of publications and manuscripts in  
press.] †  
13818 296. Fishery publication index, 1955-64, publications of Fish and Wildlife service  
by series, authors, and subjects; [compiled by George Washington Uni-  
versity]. May 1969. ll+240 p. 4° \* Paper, \$1.75.  
L.C. card 76-603664

13819 319. Bureau of Commercial Fisheries Great Lakes Fishery Laboratory, Ann  
Arbor, Mich. [Sept. 1969.] [8] p. narrow 8° †

Fishery leaflet.

13820 602. Eastern Pacific fishery, 1888-1966; by F. Heward Bell. [Revised] Aug.  
1968. [1968.] iii+8 p. ll. 4° [Branch of Fishery Statistics, Division  
of Economics.] [Cover illustration courtesy Pacific Fishermen.] †  
• Item 611-D I 49.28:602/2

13821 Proceedings, B.C.F. acoustical workshop, Nov. 25-27, 1968. Jan. 1969. iv+  
40 p. ll. 4° [Exploratory Fishing and Gear Research Base, Seattle,  
Wash.] † I 49.2 : Ac 7/968

Special scientific reports: Fisheries. † • Item 614-B I 49.15/2:(nos.)

13822 587. Transplanting adult pink salmon to Sashin Creek, Baranof Island, Alaska,  
and survival of their progeny [with list of literature cited]; by J. McNeal,  
Stephen C. Smedley, and Robert J. Ellis. Aug. 1969. iii+9 p. ll. 4°  
13823 588. Processing of digital data logger STD tapes at Scripps Institution of  
Oceanography and Bureau of Commercial Fisheries, La Jolla, Calif.; by  
James H. Jones. June 1969. iii+25 p. ll. 4° [Some pages are printed  
as leaves.]

CONGRESS

Congressional record, proceedings and debates of 90th Congress, 2d session,  
v. 114. [Permanent edition.] 1968. • Item 993

L.C. card 12-36438

X.90/1:114/pt.(nos.)

NOTE.—In the permanent bound edition, the paging differs from that of the daily  
numbers, the text being revised, rearranged, and printed without break.

13824 pt. 13. June 10-18, 1968. [1]+16381-17716 p. 4° \* Cloth, \$6.75.  
13825 pt. 14. June 19-26, 1968. [1]+17717-19060 p. 4° \* Cloth, \$6.00.  
13826 pt. 15. June 27-July 9, 1968. [1]+19061-20422 p. 4° \* Cloth, \$6.25.  
13827 pt. 16. July 10-16, 1968. [1]+20423-21658 p. 4° \* Cloth, \$6.00.  
13828 pt. 17. July 17-23, 1968. [1]+12657-22978 p. 4° \* Cloth, \$6.25.  
13829 pt. 19. July 31-Sept. 4, 1968. [1]+24367-25746 p. 4° \* Cloth, \$6.50.

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## GOVERNMENT PUBLICATIONS

### House documents:

13830 nos. 287, 293, 90th Congress, 2d session, Reports Boy Scouts of America and Girl Scouts of U.S.A., 1967 [Serial 12807-3]. • Item 995-P  
13831 no. 111, 91st Congress, 1st session, 70th Encampment, United Spanish War Veterans, 1968 [Serial 12851-6]. • Item 885-K  
13832 no. 137, 91st Congress, 1st session, Technical Information for Congress [Serial 12852-2]. • Item 995-G

### Senate document:

13833 no. 5, 91st Congress, 1st session, Daughters of the American Revolution, 1965-66 [Serial 12842]. • Item 995-B

### Laws

NOTE.—The Federal laws are first published separately and in this form are known as "slip laws". Later, these laws are compiled, edited, indexed, and published in the volumes of the Statutes at large.

#### Private laws, 91st Congress. † House or Senate Document Rooms, Capitol.

13834 33. H.R. 6585, act for relief of Mr. and Mrs. A. F. Elgin. Approved Aug. 4, 1969. 1 p.  
13835 34. H.R. 3379, act for relief of Sfc. Patrick Marratto, United States Army (retired). Approved Aug. 4, 1969. 1 p.  
13836 35. H.R. 1632, act for relief of Romeo de la Torre Sanano and his sister, Julieta de la Torre Sanano. Approved Aug. 18, 1969. 1 p.  
13837 36. H.R. 2336, act for relief of Adela Kaczmarksi. Approved Aug. 18, 1969. 1 p.  
13838 37. H.R. 6581, act for relief of Bernard A. Hegemann. Approved Aug. 18, 1969. 1 p.  
13839 38. H.R. 2037, act for relief of Robert W. Barrie and Marguerite J. Barrie. Approved Aug. 20, 1969. 1 p.  
13840 39. H.R. 1462, act for relief of Mrs. Vita Cusumano. Approved Aug. 20, 1969. 1 p.  
13841 40. H.R. 1808, act for relief of Capt. John W. Booth, III. Approved Aug. 20, 1969. 1 p.  
13842 41. H.R. 9088, act for relief of Clifford L. Petty. Approved Aug. 20, 1969. 1 p.  
13843 42. H.R. 8136, act for relief of Anthony Smilko. Approved Aug. 30, 1969. 1 p.  
13844 43. H.R. 1707, act for relief of Miss Jaiileh Farah Salameh El Ahwali. Approved Aug. 25, 1969. 1 p.  
13845 44. H.R. 5107, act for relief of Miss Maria Mosio. Approved Aug. 25, 1969. 1 p.

#### Public laws, 91st Congress. • Item 575

NOTE.—Public laws in slip form in the first prints may be obtained from the Superintendent of Documents, Washington, D.C. 20402, at a subscription price of \$20.00 per session, \$5.00 additional for foreign mailing; single copies vary in price.

13846 47. H.R. 11400, act making supplemental appropriations for fiscal year June 30, 1969, and for other purposes. [Approved July 22, 1969.] 35 p. \*Paper. 15c.

### ATOMIC ENERGY JOINT COMMITTEE Washington, DC 20515

13847 La Crosse boiling water reactor project, hearing before Subcommittee on Legislation, 90th Congress, 1st session, on La Crosse boiling water reactor project and materials concerning Hallam, Elk River, Pathfinder, BONUS and Piqua reactor projects, May 4, 1967. 1969. v+536 p. il. \*Paper, \$2.25. • Item 990  
L.C. card 72-603229

Y 4. At 7/2: L 11/4

### ECONOMIC JOINT COMMITTEE Washington, DC 20510

13848 Innovations in planning, programing, and budgeting in State and local governments, compendium of paper [compiled by Robert Haveman], submitted to Subcommittee on Economy in Government. 1969. v+218 p. il. (Joint committee print, 91st Congress, 1st session.) \*Paper, \$1.00. • Item 1000  
L.C. card 77-603640

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**House documents**

NOTE.—All house documents, entries for which are followed by a †, may be obtained from the House Document Room or from the issuing office.

**House documents, 90th Congress.**

13849 286. Proceedings of state convention of 69th national encampment, United Spanish War Veterans, San Antonio, Tex., Sept. 2-7, 1967; Mar. 25, 1968. 1968. v.+116 p. il. 2 por. † (Sent to depository libraries in Serial set binding.)  
L.C. card CA 10-5225

House document, 91st Congress.

13850 14. Annual report to Comptroller General of United States, fiscal year 1968. 1968. xi+383 p. il. \* (Available in department edition, \$1.75. GA 1.1: 968, and sent to depositories in that form. See Entry no. 14301.)

13851 25, v. 1. U.S. Army register: v. 1, Regular Army active list, Jan. 1, 1969. 1969. xiii+[3]+468 p. 4<sup>o</sup> \* (Available in department edition, \$4.25. D 102.9: 969/v.1 and sent to depositories in that form. See Entry no. 13678.)

13852 25, v. 2. U.S. Army register: v. 2, Army NGUS, USAR, and other active lists, Jan. 1, 1969. 1969. xiii+[4]+1259 p. 4<sup>o</sup> \* (Available in departmental edition, \$9.50. D 102.9: 969/v.2 and sent to depositories in that form. See Entry no. 13679.)

13853 25, v. 3. U.S. Army register: v. 3, Retired lists, Jan. 1, 1969. 1969. vi+[5]+398 p. 4<sup>o</sup> \* (Available in departmental edition, \$3.50. D 102.9: 969/v.3 and sent to depositories in that form. See Entry no. 13680.)

13854 25, v. 4 U.S. Army register: v. 4, Officers' honorary retired list, Jan. 1, 1969. [1969.] [2]+8 p. \* (Available in departmental edition, 10c. D 102.9: 969/v.4 and sent to depositories in that form. See Entry No. 13681.)

13855 27. Railroad Retirement Board, 1968 annual report for fiscal year. [1969.] vii+170 p. il. \* (Available in departmental edition, \$1.00. RR 1.1: 968, and sent to depositories in that form. See Entry no. 14223.)

13856 71. Statistical abstract of United States, 1969 [National data book and guide to sources]. 90th annual edition, 1969. xx+1032 p. il. [Prepared under supervision of William Lerner, assistant chief, Statistical Information Division. Includes copyright material.] \* (Available in departmental edition, cloth, \$5.75. C 3.134: 969, and sent to depositories in that form. See Entry no. 13774.)

13857 95. 1968 annual report, Girl Scouts of United States of America, 830 3d Ave., New York, N.Y. 10022. [1969. x+85 p. il. \* Paper, 45c. (To be sent to depository libraries in Serial set binding.)

13858 111. Proceedings of state convention of 70th national encampment, United Spanish War Veterans, Asbury Park, N.J., Sept. 8-12, 1968; Apr. 30, 1969. 1969. v+105 p. il. 2 por. † (To be sent to depository libraries in Serial set binding.)  
L.C. card CA10-5225

13859 133. 24th report of Advisory Commission on Information; July 1, 1969. 1969. [3]+12 p. [Report dated May 19, 1969.] † ● Item 996  
L.C. card 49-46343

13860 134. Hungarian in Rumania and Transylvania, bibliographical list of publications in Hungarian and West European languages, compiled from holdings of Library of Congress, by Elmer Bako and William Solyom-Fekete, with preface by Edward J. Patten, Representative from New Jersey. 1969. vii+192 p. [Prepared by Library of Congress.]  
† ● Item 996  
L.C. card 71-603017

13861 146. Proposals for welfare program, message from the President of United States relative to welfare reform. Aug. 11, 1969. 8 p. † ● Item 996

13862 147. Manpower training, message from the President of United States, Aug. 12, 1969. 5 p. † ● Item 996

13863 148. Federal-State revenues, message from the President of United States relative to Federal revenue sharing with States. Aug. 13, 1969. 4 p. † ● Item 996

**House Reports**

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

House reports on private bills, 91st Congress. † House Document Room, Capitol. ● Item 1008-B

13864 371. Incorporate the Paralyzed Veterans of America. Report from Committee on District of Columbia to accompany H.R. 1783. July 10, 1969. 4 p.

13865 374. Lease of District property to Jewish Historical Society of Greater Washington. Report from Committee on District of Columbia to accompany H.R. 12677. July 11, 1969. 4 p.

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Commerce, Springfield, Va. 22151

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GOVERNMENT PUBLICATIONS

House reports on private bills—Continued

13866 401. Dr. Jagir Singh Randhawa. Report from Committee on Judiciary to accompany S. 85. July 30, 1969. 5 p.

13867 402. Cheng-Huai Li. Report from Committee on Judiciary to accompany S. 348. July 30, 1969. 5 p.

13868 403. Mrs. Irene G. Queja. Report from Committee on Judiciary to accompany S. 564. July 30, 1969. 6 p.

13869 404. Favoring suspension of deportation of certain aliens. Report from Committee on Judiciary to accompany S. Con. Res. 33. July 30, 1969. 2 p.

13870 406. Delilah Aurora Gamatero. Report from Committee on Judiciary to accompany H.R. 2817. July 30, 1969. 7 p.

13871 408. Mrs. Sabine Rizzi Farina. Report from Committee on Judiciary to accompany H.R. 3629. July 31, 1969. 4 p.

13872 409. Placido Viterbo. Report from Committee on Judiciary to accompany H.R. 3955. July 31, 1969. 7 p.

13873 410. William Patrick Magee. Report from Committee on Judiciary to accompany H.R. 9001. July 31, 1969. 7 p.

13874 416. Certain civilian employees and former civilian employees of Bureau of Reclamation. Report from Committee on Judiciary to accompany H. 83. Aug. 5, 1969. 2 p.

13875 417. Capt. Richard L. Schumaker, U.S. Army. Report from Committee on Judiciary to accompany S. 728. Aug. 5, 1969. 8 p.

13876 418. Yvonne Davis. Report from Committee on Judiciary to accompany S. 757. Aug. 5, 1969. 4 p.

13877 419. William D. Fender. Report from Committee on Judiciary to accompany S. 901. Aug. 5, 1969. 6 p.

13878 420. Mrs. Rose Thomas. Report from Committee on Judiciary to accompany H.R. 2302. Aug. 5, 1969. 6 p.

13879 421. Milroy M. Sokitch. Report from Committee on Judiciary to accompany H.R. 3871. Aug. 5, 1969. 7 p.

13880 422. Capt. John T. Lawlor (retired). Report from Committee on Judiciary to accompany H.R. 3694. Aug. 5, 1969. 5 p.

13881 423. Paul Anthony Kelly. Report from Committee on Judiciary to accompany H.R. 9004. Aug. 5, 1969. 4 p.

13882 424. Hannibal B. Taylor. Report from Committee on Judiciary to accompany H.R. 9910. Aug. 5, 1969. 9 p.

13883 425. Philip J. Fichman. Report from Committee on Judiciary to accompany H.R. 10658. Aug. 5, 1969. 6 p.

13884 430. Lt. Col. Samuel J. Cole, U.S. Army (retired). Report from Committee on Judiciary to accompany S. 267. Aug. 6, 1969. 10 p.

13885 431. Ludger J. Cossette. Report from Committee on Judiciary to accompany S. 499. Aug. 6, 1969. 4 p.

13886 432. Richard Virgil. Report from Committee on Judiciary to accompany S. 620. Aug. 6, 1969. 4 p.

13887 433. Raymond C. Melvin. Report from Committee on Judiciary to accompany S. 632. Aug. 6, 1969. 5 p.

13888 434. Capt. William O. Hanle. Report from Committee on Judiciary to accompany S. 882. Aug. 6, 1969. 3 p.

13889 435. Branks Mardeessiah and Sonia S. Silvani. Report from Committee on Judiciary to accompany H. Res. 498. Aug. 6, 1969. 9 p.

13890 436. Emma Zimmerli. Report from Committee on Judiciary to accompany H.R. 2260. Aug. 6, 1969. 4 p.

13891 437. Elbert C. Moore. Report from Committee on Judiciary to accompany H.R. 2407. Aug. 6, 1969. 11 p.

13892 438. Frank J. Enright. Report from Committee on Judiciary to accompany H.R. 2458. Aug. 6, 1969. 2 p.

13893 439. Comdr. John N. Green. Report from Committee on Judiciary to accompany H.R. 2477. Aug. 6, 1969. 5 p.

13894 440. Mrs. Barbara K. Diamond. Report from Committee on Judiciary to accompany H.R. 2063. Aug. 6, 1969. 5 p.

13895 441. Lawrence Brink and Violet Nitschke. Report from Committee on Judiciary to accompany H.R. 4634. Aug. 6, 1969. 4 p.

13896 442. Pedro Irisarry Guido. Report from Committee on Judiciary to accompany H.R. 5000. Aug. 6, 1969. 10 p.

13897 443. Bert N. Adams and Emma Adams. Report from Committee on Judiciary to accompany H.R. 7567. Aug. 9, 1969. 7 p.

13898 444. Mrs. Iris O. Hicks. Report from Committee on Judiciary to accompany H.R. 10856. Aug. 6, 1969. 4 p.

13899 445. Victor L. Ashley. Report from Committee on Judiciary to accompany H.R. 11060. Aug. 6, 1969. 7 p.

13900 446. Wylo Pleasant, doing business as Pleasant Western Lumber Co. (now known as Pleasant's Logging & Milling, Inc.). Report from Committee on Judiciary to accompany H.R. 11533. Aug. 6, 1969. 7 p.

13901 447. Mr. and Mrs. John F. Fuentes. Report from Committee on Judiciary to accompany H.R. 11500. Aug. 6, 1969. 3 p.

13902 448. Rose Minutillo. Report from Committee on Judiciary to accompany H.R. 12089. Aug. 6, 1969. 4 p.

13903 449. T. Sgt. Peter Elias Gianutso [Gianutsos], U.S. Air Force (retired). Report from Committee on Judiciary to accompany H.R. 11890. Aug. 6, 1969. 7 p.

13904 450. Maj. Louis A. Deering. Report from Committee on Judiciary to accompany H.R. 11968. Aug. 6, 1969. 3 p.

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†Distribution Made by Issuing Office

‡Official Use. Not Available

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13905 465. Irving M. Sabin Co., Inc., and/or Irving M. Sabin Chemical Co., Inc. Report from Committee on Judiciary to accompany H.R. 1782. Aug. 11, 1969. 6 p.  
13906 467. Opposing granting of permanent residence in United States to certain aliens. Report from Committee on Judiciary to accompany H. Res. 422. Aug. 12, 1969. 3 p.

House reports on public bills, 91st Congress.† House Document Room, Capitol. • Item 1008-A

13907 414. Court leave for employees of United States and District of Columbia. Report from Committee on Post Office and Civil Service to accompany H.R. 12979. Aug. 5, 1969. 13 p.  
13908 457. Amending rule 35 of rules of House of Representatives to increase fees of witnesses before the House or its committees. Report from Committee on Rules to accompany H. Res. 495. Aug. 7, 1969. 1 p.  
13909 458. Authorizing Committee on Post Office and Civil Service to conduct studies and investigations within its jurisdiction. Report from Committee on Rules to accompany H. Res. 269. Aug. 7, 1969. 1 p.  
13910 489. Hours of service act amendments of 1969. Report from Committee on Interstate and Foreign Commerce to accompany H.R. 8449. Aug. 13, 1969. 14 p.

### *Agriculture Committee, House Washington, DC 20515*

[Committee hearings] serial, 91st Congress. † • Item 1010

13911 L. Provide flexible interest rate on loans to associations for water and waste disposal, hearing before Subcommittee on Conservation and Credit, 91st Congress, 1st session, on H.R. 5850, June 17, 1969. 1969. iii+31 p. Y 4.Ag 8/1 : L 78/12  
L.C. card 77-603379

13912 M. Increase license fees under Perishable agricultural commodities act of 1930, hearing before Subcommittee on Domestic Marketing and Consumer Relations, 91st Congress, 1st session, on H.R. 9857, July 17, 1969. 1969. iii+37 p. Y 4.Ag 8/1 : L 61  
L.C. card 71-603364

13913 N. Amend Federal seed act, hearing before Subcommittee on Departmental Operations, 91st Congress, 1st session, on H.R. 10236, H.R. 10423, H.R. 10552, and H.R. 10653, July 23, 1969. 1969. iii+31 p. Y 4.Ag 8/1 : Se 3/12/1969  
L.C. card 70-603350

13914 O. Increase durum wheat allotments, hearing before Subcommittee on Livestock and Grains, 91st Congress, 1st session, on H.R. 485, July 23, 1969. 1969. iii+34 p. Y 4.Ag 8/1 : W 56/13/1969  
L.C. card 78-603363

13915 P. Authorize production research under marketing agreement and order programs, hearing before Subcommittee on Domestic Marketing and Consumer Relations, 91st Congress, 1st session, on H.R. 8536 and H.R. 11063, July 28, 1969. 1969. iii+22 p. Y 4.Ag 8/1 : P 94/6  
L.C. card 77-603360

### *Appropriations Committee, House Washington, DC 20515*

13916 Department of Defense appropriations for 1970, hearings before subcommittee, 91st Congress, 1st session.  
pt. 3. Procurement. 1969. ii+1163+xxii p. ll. † • Item 1011  
L.C. card 61-60926 Y 4.Ap 6/1 : D 86/5/970/pt.3

13917 Legislative branch appropriations for 1970, hearings before subcommittee, 91st Congress, 1st session. 1969. ii+684+ix p. ll. † • Item 1011  
L.C. card 60-61305 Y 4.Ap 6/1 : L 52/970

13918 Public works appropriations for 1970 for water and power resources development and Atomic Energy Commission, hearings before subcommittee, 91st Congress, 1st session † • Item 1011  
L.C. card 77-603537 Y 4.Ap 6/1 : P 96/14/970/pt.(nos.)  
pt. 1. Civil functions, Department of Army, statement of Deputy Chief of Engineers, Missouri River Division, New England Division, North Atlantic Division, North Central Division, Ohio River Division, South Atlantic Division, Southwestern Division. 1969. ii+1254+xxii p. ll.  
pt. 4. Atomic Energy Commission. 1969. ii+738+vi. p. ll.  
pt. 5. Testimony of Members of Congress, and other individuals and organizations. 1969. ii+1912+xiv p. ll.

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## GOVERNMENT PUBLICATIONS

### Armed Services Committee, House Washington, DC 20515

13919 34th report to Congress (Jan. 1-June 30, 1969) of Department of Defense in accordance with sec. 2455, title 10, U.S.C. (formerly sec. 8 of Public law 426, 82d Congress), on Defense cataloging and standardization act of 1952, report of Armed Services Investigating Subcommittee, 91st Congress, 1st session ; Sept. 8, 1969. 1969. iii+16 p. (Committee print.) † L.C. card 53-60980 Y 4.Ar 5/2: D 36/2/969

13920 Review of Army tank program, hearings before Armed Services Investigating Subcommittee, 91st Congress, 1st session, under authority of H. Res. 105 ; Mar. 13-Apr. 28, 1969. 1969. iv+568 p. ll. † • Item 1012 L.C. card 70-603377 Y 4.Ar 5/2: T 15/3

### Banking and Currency Committee, House Washington, DC 20515

13921 H.R. 6778 and H.R. 9385, text of proposed changes in and additions to existing law, together with summaries of bills ; [prepared by committee staff in collaboration with Office of Legislative Counsel], Mar. 28, 1969. 1969. [1]+49 p. (Committee print.) † L.C. card 71-603522 Y 4.B 22/1: B 22/21

13922 Housing and urban development legislation, 1969, hearings before Subcommittee on Housing, 91st Congress, 1st session, July 17-30, 1969. vi+623 p. ll. 1 pl. † • Item 1013 L.C. card 70-603594 Y 4.B 22/1: H 81/46/969

13923 Recent international financial and monetary developments, hearing before Subcommittee on International Finance, 91st Congress, 1st session, Aug. 6, 1969. 1969. iii+26 p. † • Item 1013 L.C. card 79-603366 Y 4.B 22/1: In 8/20

### Education and Labor Committee, House Washington, DC 20515

13924 Children with learning disabilities act of 1969, hearings before General Subcommittee on Education, 91st Congress, 1st session on H.R. 8660 and H.R. 9065, July 8-10, 1969. 1969. v+236 p. ll. † • Item 1015 L.C. card 75-603227 Y 4.Ed 8/1: C 43/5

13925 Economic opportunity amendments of 1969, hearings before Ad Hoc Hearing Task Force on Poverty, 91st Congress, 1st session, on H.R. 513. L.C. card 73-602058 Y 4.Ed 8/1: Ee 7/969/pt.5 pt. 5. Appendix. 1969. vii+2821-3038 p. † • Item 1015

13926 Employment of green card aliens during labor disputes, hearings before Special Subcommittee on Labor, 91st Congress, 1st session, on H.R. 12667, July 16-Aug. 8, 1969. 1969. iv+250 p. ll. † • Item 1015 L.C. card 72-603525 Y 4.Ed 8/1: A14

13927 Gifted and talented children educational assistance act, hearing before General Subcommittee on Education, 91st Congress, 1st session, on H.R. 4807 and H.R. 12814, July 15, 1969. 1969. iii+65 p. † • Item 1015 L.C. card 75-603373 Y 4.Ed 8/1: C 43/6

### Foreign Affairs Committee, House Washington, DC 20515

13928 Foreign assistance act of 1969, hearings, 91st Congress, 1st session, on H.R. 11792. • Item 1017 L.C. card 70-602763 Y 4.F 76/1: F 76/28/969/pt.(nos.) pt. 3. June 23-30, 1969. 1969. iv+461-667 p. ll. \* Paper, 75c. pt. 4. July 1-11, 1969. 1969. iv+669-898 p. \* Paper, \$1.00. pt. 5. July 14-18, 1969. 1969. vi+899-1147 p. \* Paper, \$1.00. pt. 6. July 22-28, 1969. 1969. iv+1149-1383 p. \* Paper, \$1.00. pt. 7 and app. July 29-Aug. 1, 1969. 1969. v 1385-1872 p. ll. \* Paper, \$1.25.

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13929 U.S. participation in international expositions held in United States, hearings before Subcommittee on International Organizations and Movements, 91st Congress, 1st session on H.R. 13171, H.R. 11129, and S. 856, July 30, 1969. 1969. iii+20 p. † • Item 1017  
L.C. card 70-603234

Y 4.F 76/1 : Ex 7/2

**Government Operations Committee, House**  
Washington, DC 20515

13930 Deficiencies in administration of Federal insecticide, fungicide, and rodenticide act, hearings before subcommittee, 91st Congress, 1st session, May 7 and June 24, 1969. 1969. iv+310 p. il. † • Item 1016  
L.C. card 70-603393

Y 4.G 74/7 : F 31/14

13931 Realining regional boundaries of certain Federal agencies, hearing before subcommittee, 91st Congress, 1st session, May 8, 1969. 1969. iii+67 p.  
† • Item 1016  
L.C. card 78-603233

Y 4.G 74/7 : B 66

13932 Rural Electrification Administration's bulletin inhibiting political activities by its borrowers and their employees, hearing before subcommittee, 91st Congress, 1st session, July 15, 1969. 1969. iii+60 p. † • Item 1016  
L.C. card 76-603613

Y 4.G 74/7 : R 88/2

**Internal Security Committee, House**  
Washington, DC 20515

NOTE.—The name of the Un-American Activities Committee has been changed to the Internal Security Committee.

13933 Investigation of Students For a Democratic Society, hearings, 91st Congress, 1st session. • Item 1026  
L.C. card 70-602885

Y 4.In 8/15 : St 9/pt.(nos.)

pt. 1-A. Georgetown University, June 3 and 4, 1969. 1969. v+1-266+vii p. il.  
\* Paper, \$1.00.

pt. 1-B. Georgetown University, June 5 and 17, 1969. 1969. v+267-474+vii p. il.  
\* Paper, \$1.00.

pt. 2. Kent State University, June 24 and 25, 1969. 1969. v+475-642+vii p. il.  
\* Paper, 70c.

**Merchant Marine and Fisheries Committee, House**  
Washington, DC 20515

[Committee hearing] serial, 91st Congress.

13934 9. Passenger vessel legislation, hearing before Subcommittee on Merchant Marine, 91st Congress, 1st session, on H.R. 210 [and] H.R. 12605, July 22, 1969. 1969. iii+38 p. † • Item 1021  
L.C. card 79-603374

Y 4.M 53 : 91-9

**Post Office and Civil Service Committee, House**  
Washington, DC 20515

[Committee hearings] serial, 91st Congress. † • Item 1022  
L.C. card 72-602528

Y 4.P 84/10 : 91-(nos.)

13935 4. Post Office reorganization, hearings, 91st Congress, 1st session, on various proposals to reform postal establishment, pt. 2. June 20-July 22, 1969. 1969. v+371-845 p. II.

4(a). Post Office reorganizations, hearings, 91st Congress, 1st session, on various proposals to reform postal establishment, pt. 3. July 23-Aug. 12, 1969. 1969. xiii+847-1318 p. [Contents for 3 parts included.]

13936 12. Obscenity in the mails, hearings, 91st Congress, 1st session, on H.R. 10867. pt. 1. Aug. 5 and 6, 1969. 1969. xv+199 p.  
L.C. card 70-603586

Y 4.P 84/10 : P 20/12/969

13937 Pay comparability system act of 1969, H.R. 12124, Subcommittee on Compensation; June 18, 1969. 1969. ii+22 p. (Committee print.) †  
L.C. card 70-602999

Y 4.P 84/10 : P 20/12/969

13938 Salary and retirement annuity increases of Federal classified and postal employees, 1945-69, together with current salary schedules; July 1969. 1969. ii+10 p. (Committee print 10, 91st Congress, 1st session.) †  
L.C. card 75-602995

Y 4.P 84/10 : Sa 3/15/945-69

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## GOVERNMENT PUBLICATIONS

### *Public Works Committee, House Washington, DC 20515*

[Committee publication], 91st Congress.

13939 9. Highway legislation, hearings before Subcommittee on Roads, 91st Congress, 1st session [on] H.R. 9446, H.R. 4808, H.R. 6785, and related bills, May 13-June 5, 1969. 1969. viii+625 p. ll. † • Item 1024  
L.C. card 73-603587 Y 4.P 96/11 : 91-9

### *Rules Committee, House Washington, DC 20515*

13940 Proposing amendment to Constitution of United States relating to election of the President and the Vice President, hearings, 91st Congress, 1st session, on H.J. Res. 681 and similar measures, July 17-24, 1969. 1969. iii+98 p. † • Item 1025  
L.C. card 77-608529 Y 4.R 86/1 : P 92/3/969

### *Science and Astronautics Committee, House Washington, DC 20515*

13941 Technology, processes of assessment and choice, report of National Academy of Sciences [with lists of references and notes]. July 1969. xiv+163 p. ([Committee print.]) \* Paper, 75c.  
L.C. card 73-603536 Y 4.Sci 2 : T 22

### *Small Business, Select Committee on, House Washington, DC 20515*

13942 Tax-exempt foundations and charitable trusts, their impact on our economy, 7th installment, subcommittee chairman's report to Subcommittee No. 1, 91st Congress; June 30, 1969. 1969. v+165 p. oblong 8° (Committee print.) \* Paper, \$1.50.  
L.C. card 63-60464 Y 4.Sm 1 : T 19/2/7th inst.

### *Veteran's Affairs Committee, House Washington, DC 20515*

13943 Construction of new VA hospital in southern California, hearings before Subcommittee on Hospitals, 91st Congress, 1st session, on H.R. 863 and H.R. 6298; Aug. 1, 1968. 1969. viii+1931-2026 p. ll. † • Item 1027  
L.C. card 77-603352 Y 4.V 64/3 : H 79/28

### *Ways and Means Committee, House Washington, DC 20515*

13944 Foreign trade and tariff proposals, hearings, 90th Congress, 2d session, on tariff and trade proposals, June 4-July 2, 1968.  
pt. 11. Contains summaries of testimony presented in pts. 1-10. 1969. viii+5801-5827 p. [Prepared with assistance of staff of Tariff Commission.] \* Paper, \$1.00. • Item 1028  
L.C. card 68-61842 Y 4.W 36 : F 76tr/7/pt.11

13945 Press releases announcing tentative decisions on tax reform subjects as announced by Wilbur D. Mills, including press release of May 27, 1969 and press release of July 11, 1969. 1969. iii+16 p. (Committee print, 91st Congress, 1st session.) \* Paper, 15c.  
L.C. card 73-603473 Y 4.W 36 : T 19/47/969-2

13946 Revised summary list and brief description of provisions contained in H.R. 13270, Tax reform act of 1969. 1969. ii+5 p. (Committee print, 91st Congress, 1st session.) \* Paper, 20c.  
L.C. card 72-603533 Y 4.W 36 : T 19/48

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13947 [Government paper specification standards no. 6, Change, effective Feb. 1, 1968.] Aug. 25, 1969. [21] leaves, 4<sup>o</sup> [Issued in looseleaf form.] \* Paper, \$2.00 (including supplementary material for an indefinite period); 50c. additional for foreign mailing. • Item 1004-B  
Y 4.P 93/1:7/6/ch.-3

**SENATE**  
Washington, DC 20510

*Senate documents*

NOTE.—All Senate documents, entries for which are followed by a †, may be obtained from the Senate Document Room or from the issuing office.

Senate documents, 91st Congress.

13948 30. Report of Secretary of Senate, Jan. 1-June 30, 1969; Aug. 25, 1969. 1969. iv+503 p. † (To be sent to depository libraries in Serial set binding.)  
13949 31. Semiannual report of Architect of Capitol, Jan. 1-June 30, 1969, pursuant to sec. 105(b), Public law 454, 88th Congress; Aug. 26, 1969. 1969. iii+115 p. † • Item 996

*Senate reports*

NOTE.—For titles of bills which these reports accompany, see Congressional record index.

Senate reports on private bills, 91st Congress. † Senate Document Room, Capitol. • Item 1008-B

13950 298. Lt. Col. Samuel J. Cole, U.S. Army (retired). Report from Committee on Judiciary to accompany S. 267. July 10, 1969. 8 p.  
13951 301. Dr. Diego Aguilar Aranda. Report from Committee on Judiciary to accompany S. 571. July 10, 1969. 6 p.  
13952 302. Dug Foo Wong. Report from Committee on Judiciary to accompany S. 2019. July 10, 1969. 4 p.  
13953 303. Conferring U.S. citizenship posthumously upon James F. Wegener. Report from Committee on Judiciary to accompany H.R. 1828. July 10, 1969. 3 p.  
13954 304. Wu Hui. Report from Committee on Judiciary to accompany S. 1963. July 10, 1969. 8 p.  
13955 305. Adriana C. Yang. Report from Committee on Judiciary to accompany S. 1645. July 10, 1969. 5 p.  
13956 306. Dr. Yavuz Aykent. Report from Committee on Judiciary to accompany S. 1798. July 10, 1969. 5 p.  
13957 307. Dr. Yilmaz Bilsel. Report from Committee on Judiciary to accompany S. 1527. July 10, 1969. 4 p.  
13958 308. Dr. Zelihha Bilsel. Report from Committee on Judiciary to accompany S. 1526. July 10, 1969. 4 p.  
13959 309. Rueben Rosen. Report from Committee on Judiciary to accompany H.R. 2890. July 10, 1969. 5 p.  
13960 310. Francesca Adriana Millosni. Report from Committee on Judiciary to accompany H.R. 2536. July 10, 1969. 5 p.  
13961 311. Franklin Jacinto Antonio. Report from Committee on Judiciary to accompany H.R. 2224. July 10, 1969.  
13962 312. Pfc. Joseph Anthony Smitko. Report from Committee on Judiciary to accompany H.R. 1948. July 10, 1969. 8 p.  
13963 313. Aleksander Zambelli. Report from Committee on Judiciary to accompany H.R. 3166. July 10, 1969. 3 p.  
13964 314. Ryssard Stanislaw Obacy. Report from Committee on Judiciary to accompany H.R. 3167. July 10, 1969. 3 p.  
13965 315. Yolanda Fulgencio Hunter. Report from Committee on Judiciary to accompany H.R. 3172. July 10, 1969. 5 p.  
13966 316. Maria da Conceicao Evaristo. Report from Committee on Judiciary to accompany H.R. 3376. July 10, 1969. 6 p.  
13967 317. Lance Cpl. Peter M. Nee (2465662). Report from Committee on Judiciary to accompany H.R. 10060. July 10, 1969. 2 p.  
13968 318. Nickolas George Polizos. Report from Committee on Judiciary to accompany S. 1110. July 10, 1969. 6 p.  
13969 322. Mr. and Mrs. Wong Yui. Report from Committee on Judiciary to accompany S. 92. July 18, 1969. 5 p.  
13970 323. Sfc. Patrick Marratto. Report from Committee on Judiciary to accompany H.R. 3370. July 18, 1969. 5 p.  
13971 324. Mr. and Mrs. A. F. Elgin. Report from Committee on Judiciary to accompany H.R. 6585. July 18, 1969. 8 p.

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## GOVERNMENT PUBLICATIONS

### Senate reports on private bills—Continued

13972 341. Quitclaim of sand and gravel—Emogene Tilmon, Logan County, Ark. Report from Committee on Agriculture and Forestry to accompany S. 65. Aug. 6, 1969. 2 p.

13973 342. Quitclaim of sand and gravel—Enoch A. Lowder, Logan County, Ark. Report from Committee on Agriculture and Forestry to accompany S. 80. Aug. 6, 1969. 2 p.

13974 343. Quitclaim of sand and gravel—Wayne and Emogene Tilmon, Logan County, Ark. Report from Committee on Agriculture to accompany S. 82. Aug. 6, 1969. 2 p.

13975 345. Quitclaim of sand and gravel—J. B. and Sula Smith, Magazine, Ark. Report from Committee on Agriculture to accompany S. 81. Aug. 6, 1969. 2 p.

13976 352. Capt. John W. Booth III. Report from Committee on Judiciary to accompany H.R. 1808. Aug. 7, 1969. 7 p.

13977 353. Michel M. Goutmann. Report from Committee on Judiciary to accompany S. 1934. Aug. 7, 1969. 4 p.

13978 354. Mrs. Vita Cuneamano. Report from Committee on Judiciary to accompany H.R. 1462. Aug. 7, 1969. 6 p.

13979 355. Bernard L. Coulter. Report from Committee on Judiciary to accompany H.R. 4658. Aug. 7, 1969. 3 p.

13980 356. Miss Jallieh Farah Salameh El Ahwal. Report from Committee on Judiciary to accompany H.R. 1707. Aug. 7, 1969. 6 p.

13981 357. Miss Marie Mosio. Report from Committee on Judiciary to accompany H.R. 5107. Aug. 7, 1969. 5 p.

13982 358. Robert W. Barrie and Marguerite J. Barrie. Report from Committee on Judiciary to accompany H.R. 2037. Aug. 7, 1969. 8 p.

13983 359. Bernard A. Hegemann. Report from Committee on Judiciary to accompany H.R. 6581. Aug. 7, 1969. 4 p.

13984 360. Anthony Smilko. Report from Committee on Judiciary to accompany H.R. 8136. Aug. 7, 1969. 3 p.

13985 361. Clifford L. Petty. Report from Committee on Judiciary to accompany H.R. 9088. Aug. 7, 1969. 5 p.

13986 362. Solomon S. Levadl. Report from Committee on Judiciary to accompany H.R. 3213. Aug. 7, 1969. 6 p.

13987 367. Lloyd L. Ward, Jr. Report from Committee on Judiciary to accompany S. Res. 97. Aug. 8, 1969. 9 p.

13988 376. Cmdr. Edward White Rawlins, U.S. Navy (retired). Report from Committee on Judiciary to accompany S. Res. 96. Aug. 12, 1969. 8 p.

13989 388. Lease of District property to Jewish Historical Society of Greater Washington. Report from Committee on District of Columbia to accompany H.R. 12677. Aug. 13, 1969. 4 p.

### Senate reports on public bills, 91st Congress. † Senate Document Room, Capitol. • Item 1008-A

13990 347. Amending act fixing boundary of Everglades National Park, Fla., and authorizing acquisition of land therein, in order to authorize additional amount for acquisition of certain lands for such park. Report from Interior and Insular Affairs to accompany S. 2364. Aug. 7, 1969. 4 p.

13991 348. Walving acreage limitation of Public purposes land act for Valley of Fire State Park in Nevada. Report from Committee on Interior and Insular Affairs to accompany S. 1108. Aug. 7, 1969. 4 p.

13992 363. Amending act of June 13, 1962, with respect to Navajo Indian irrigation project. Report from Committee on Interior and Insular Affairs to accompany S. 203. Aug. 7, 1969. 8 p.

13993 369. To amend Small business investment act of 1958. Report from Committee on Banking and Currency to accompany S. 2540. Aug. 11, 1969. 3 p.

13994 370. Small Business Administration legislation for 1969. Report from Committee on Banking and Currency to accompany S. 2815. Aug. 11, 1969. 4 p.

13995 371. Modification of operation of Kortes unit, Missouri River Basin project, Wyo. Report from Committee on Interior and Insular Affairs to accompany S. 40. Aug. 11, 1969. 4 p.

13996 372. Amending act entitled act to authorize sale and exchange of isolated tracts of tribal land on Rosebud Sioux Indian Reservation, S. Dak. Report from Committee on Interior and Insular Affairs to accompany S. 73. Aug. 11, 1969. 4 p.

13997 373. Extension of temporary duty suspension on certain istle, temporary extension of interest equalization tax. Report from Committee on Finance to accompany H.R. 10107. Aug. 11, 1969. 4 p.

13998 374. Placing in trust status certain lands on Standing Rock Sioux Indian Reservation in North and South Dakota. Report from Committee on Interior and Insular Affairs to accompany S. 74. Aug. 11, 1969. 4 p.

13999 375. Conveying District property to Washington International School, Inc. Report from Committee on District of Columbia to accompany H.R. 12720. Aug. 11, 1969. 3 p.

14000 377. Amending act of Aug. 9, 1955, to authorize longer term leases of Indian lands located outside boundaries of Indian reservations in New Mexico. Report from Committee on Interior and Insular Affairs to accompany S. 1609. Aug. 12, 1969. 5 p.

14001 378. Amending Indian long-term leasing act. Report from Committee on Interior and Insular Affairs to accompany S. 204. Aug. 12, 1969. 8 p.

14002 379. Declaring that certain federally owned lands are held by United States in trust for Indians of Pueblo of Laguna. Report from Committee on Interior and Insular Affairs to accompany S. 210. Aug. 12, 1969. 7 p.

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1969

14003 380. Providing for disposition of judgement recovered by Confederated Salish and Kootanai tribes of Flathead Reservation, Mont., in par. 11, docket 50233, Court of Claims, and for other purposes. Report from Committee on Interior and Insular Affairs to accompany S. 1766. Aug. 12, 1969. 3 p.

14004 381. Compensating Indians of California for value of land erroneously used as offset in judgment against United States obtained by said Indians. Report from Committee on Interior and Insular Affairs to accompany H.R. 671. Aug. 12, 1969. 4 p.

14005 382. Declaring that certain federally owned land is held by United States in trust for Cheyenne River Sioux Tribe to Cheyenne River Indian Reservation. Report from Committee on Interior and Insular Affairs to accompany S. 921. [1969.] 5 p.

14006 383. Declaring that United States shall hold certain land in trust for Three Affiliated Tribes of Fort Berthold Reservation, N. Dak. Report from Committee on Interior and Insular Affairs to accompany S. 775. Aug. 12, 1969. 5 p.

14007 384. Providing for construction and improvement of certain road on Navajo Indian Reservation. Report from Committee on Interior and Insular Affairs to accompany S. 404. Aug. 12, 1969. 8 p.

14008 385. Establishing Buffalo National River. Report from Committee on Interior and Insular Affairs to accompany S. 855. Aug. 13, 1969. 6 p.

14009 386. Granting States reciprocal right to sue in District of Columbia courts to recover delinquent State taxes. Report from Committee on District of Columbia to accompany S. 2502. Aug. 13, 1969. 3 p.

14010 387. Amending survivor annuity provisions of District of Columbia judges retirement act of 1964. Report from Committee on District of Columbia to accompany S. 2056. Aug. 13, 1969. 8 p.

*Aeronautical and Space Sciences Committee, Senate*  
Washington, DC 20510

14011 Future NASA space programs, hearing, 91st Congress, 1st session, Aug. 5, 1969. 1969. iv+70 p.ll. ↑ ● Item 1032-A  
L.C. card 70-603614

Y 4.Ae 8; N 21 a/4

*Aging, Special Committee on, Senate*  
Washington, DC 20510

14012 Health aspects of economics of aging, working paper in conjunction with overall study of Economics of aging, toward full share in abundance, July 1969; prepared by advisory committee. Revised [edition]. 1969. vi+43 p. ll. (Committee print, 91st Congress, 1st session.) \* Paper, 25c.  
L.C. card 79-603524

Y 4.Ag 4: H 34/10

14013 Social security for the aged, international perspectives, working paper prepared [by George F. Rohrlich, professor of political economy and social insurance, Temple University School of Business Administration], for hearing, on International perspectives on economics of aging, Aug. 25, 1969; Aug. 1969. 1969. vii+14 p. (Committee print, 91st Congress, 1st session.) \* Paper, 15c.  
L.C. card 78-603521

Y 4.Ag 4: So 1

*Agriculture and Forestry Committee, Senate*  
Washington, DC 20510

14014 FHA insured operating loans, hearings before Subcommittee on Agricultural Credit and Rural Electrification, 91st Congress, 1st session, on S. 815, July 29, 1969. 1969. iii+27 p. ↑ ● Item 1032  
L.C. card 79-603628

Y 4.Ag 8/2: L 78/9

*Appropriations Committee, Senate*  
Washington, DC 20510

14015 Department of Interior and related agencies appropriations for fiscal year 1970, hearings before subcommittee, 91st Congress, 1st session, on H.R. 12781. ↑ ● Item 1033  
L.C. card 75-603602

Y 4.Ap 6/2: In 8/970/pt.(nos.)

pt. 1. [Mar. 11-21, 1969.] 1969. ii+1862+clxx p. ll.  
pt. 2. [Mar. 24-July 9, 1969.] 1969. ii+1863-3504+clxx p. ll.

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

### Armed Services Committee, Senate Washington, DC 20510

14016 Nominations of Air Force Reserve general officers, hearing before Subcommittee on Reserve General Officer Promotions, 91st Congress, 1st session, on nominations for appointment in Air Force Reserve in grade of major and brigadier generals; Aug. 1, 1969. 1969. ii+13 p. † • Item 1034  
L.C. card 75-603357

Y 4.Ar 5/3 : A1 7/7/969

### Banking and Currency Committee, Senate Washington, DC 20510

14017 Housing and urban development legislation of 1969, hearings before Subcommittee on Housing and Urban Affairs, 91st Congress, 1st session, on bills relating to housing and urban development, July 15-25, 1969. 1969. xi+596 p. il. † • Item 1035  
L.C. card 78-603355

Y 4.B 22/3 : H 81/55/969

14018 Nominations of Thomas Hal Clarke and Carter L. Burgess, hearing, 91st Congress, 1st session on nominations of Thomas Hal Clarke to be member of Federal Home Loan Bank Board, and Carter L. Burgess to be incorporator of corporation authorized by sec. 902(a) of Housing and urban development act of 1968, July 28, 1969. 1969. iii+9 p. † • Item 1035  
L.C. card 74-603232

Y 4.B 22/3 : C 54/2

14019 Small business legislation of 1969, hearings before Subcommittee on Small Business, 91st Congress, 1st session, on several bills and a resolution relating to small business, July 8-11, 1969. 1969. v+229 p. il. † • Item 1035  
L.C. card 70-603396

Y 4.B 22/3 : Sm 1/20/969

### Commerce Committee, Senate Washington, DC 20510

[Committee hearings] serial, 91st Congress. † • Item 1041  
Y 4.C 73/2 : 91-(nos.)

14020 13. Airport/airways development, hearings before Subcommittee on Aviation, 91st Congress, 1st session, to determine appropriate course of Federal action for coming years in field of airport/airways development.  
pt. 1. June 17-26, 1969. 1969. iv+445 p. il.  
L.C. card 78-603398

14021 14. To amend Federal aviation act of 1958, hearings, 91st Congress, 1st session, on S. 1873, Mar. 18-26, 1969. 1969. iii+134 p.  
L.C. card 74-603539

### District of Columbia Committee, Senate Washington, DC 20510

14022 Crime in National Capital, hearings, 91st Congress, 1st session.  
pt. 2A. Drug abuse in Washington area, June 17, 1969. 1969. iii+387-466 p. il.  
\* Paper, 40c. • Item 1036  
L.C. card 76-601292

Y 4.D 63/2 : C 86/4/969/pt.2 A

14023 Crime in National Capital, hearings before Committee on District of Columbia and Subcommittee on Improvements in Judicial Machinery of Committee on Judiciary, Senate, 91st Congress, 1st session, on S. 1066 [and other bills].  
pt. 3. Reorganization of District of Columbia courts, May 19-Aug. 7, 1969. 1969.  
vi+467-1323+A-711 to A-742 p. • Paper, \$3.75. • Item 1036  
L.C. card 76-601292

Y 4.D 63/2 : C 86/4/969/pt.3

### Finance Committee, Senate Washington, DC 20510

14024 Antidumping, report of President of United States on antidumping (for period July 1, 1968-June 30, 1969), pursuant to Public Law 90-634, sec. 201(b); Aug. 13, 1969. 1969. v+106 p. (Committee print, 91st Congress, 1st session.) \* Paper, 45c.  
L.C. card 74-603520

Y 4.F 49 : An 8/4

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14025 Interest equalization tax extension act of 1969, hearing, 91st Congress, 1st session, on H.R. 12829, Sept. 3, 1969. 1969. iii+117 p. † • Item 1038  
L.C. card 70-603641 Y 4.F 49: In 8/2/969

14026 Staff data relating to medicald-medicare study, prepared by staff of Committee on Finance; July 1, 1969. 1969. iii+39 p. ll. (Committee print, 91st Congress, 1st session.) [This document has not been reviewed by the Committee. It is published only for information.] †  
L.C. card 78-602841 Y 4.F 49: M 46/5

Tax reform act of 1969, H.R. 13270. 1969. (Committee print, 91st Congress, 1st session.)

14027 pt. A. Testimony to be received Tuesday, Sept. 10, 1969; pt. B, additional statements (Topics: Capital gains; restricted stock; lump-sum distributions under pension and profit-sharing plans). iii+342 p. ll. \* Paper, \$1.25.  
L.C. card 74-603685 Y 4.F 49: T 19/26/Sept.16

14028 pt. A. Testimony to be received Thursday, Sept. 18, 1969; pt. B, additional statements (Topics: Charitable contributions; stock dividends; moving expenses). iii+366 p. ll. \* Paper, \$1.50.  
L.C. card 78-603686 Y 4.F 49: T 19/26/Sept.18

14029 Statement of David M. Kennedy, Secretary of Treasury, Sept. 4, 1969. iii+93 p. \* Paper, 40c.  
L.C. card 78-603684 Y 4.F 49: T 19/26/Sept.4

14030 Testimony to be received Monday, Sept. 8, 1969 (Topics: General; single persons); Sept. 8, 1969. iii+237 p. †  
L.C. card 77-603683 Y 4.F 49: T 19/26/Sept.8

*Foreign Relations Committee, Senate*  
Washington, DC 20510

14031 Strategic and foreign policy implications of ABM systems, anti-submarine warfare, multiple independently targeted reentry vehicles (MIRV), hearings before Subcommittee on International Organization and Disarmament Affairs, 91st Congress, 1st session.  
pt. 3. May 16 and July 16, 1969. 1969. iii+623-692 p. [Confidential hearing held May 16, 1969, sanitized and printed Aug. 27, 1969.] \* Paper, 40c.  
• Item 1039  
L.C. card 72-601504 Y 4.F 76/2: An 8/2/pt.3

*Government Operations Committee, Senate*  
Washington, DC 20510

14032 Donable surplus property program, hearings before Ad Hoc Subcommittee on Federal Surplus Property, 91st Congress, 1st session, July 9 and 10. 1969. 1969. iv+162 p. ll. † • Item 1037  
L.C. card 70-603361 Y 4.G 74/6: Su 7/7/969

14033 Establish Commission on Government Procurement, hearing, 91st Congress, 1st session; July 31, 1969. 1969. iv+411 p. † • Item 1037  
L.C. card 70-603353 Y 4.G 74/6: G 74

14034 Establish Department of Consumer Affairs, hearings before Subcommittee on Executive Reorganization, 91st Congress, 1st session, on S. 860 and S. 2045, Mar. 17-July 16, 1969. 1969. v+526 p. ll. map. † • Item 1037  
L.C. card 74-603642 Y 4.G 74/6: C 76/069

14035 Inventory of congressional concern with research and development, 90th Congress, 2d session, pt. 4, bibliography, prepared for Subcommittee on Government Research [by Science Policy Research Division of Legislative Reference Service, Library of Congress]; July 31, 1969. 1969. ix+205-249 p. ll. (Committee print, 91st Congress, 1st session.) †  
L.C. card 67-60332 Y 4.G 74/6: R 31/2/pt.4

14036 Riots, civil and criminal disorders, hearings before Permanent Subcommittee on Investigations, 91st Congress, 1st session, pursuant to S. Res. 26, 91st Congress. • Item 1037  
L.C. card 68-60271 Y 4.G 74/6: R 47/pt.-(nos.)  
pt. 19. June 18-25, 1969. ix+3721-4173 p. ll. 3 pl. \* Paper, \$2.50.  
pt. 20. June 26 and 30, 1969. 1969. viii+4175-4498 p. ll. 3 pl. \* Paper, \$1.75.

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14037 Staff study of campus riots and disorders, Oct. 1967-May 1969; [prepared by Daniel Harris and Joseph Honcharik of General Accounting Office for] Permanent Subcommittee on Investigations, June 1969. 1969. iii+52 p. (Committee print, 91st Congress, 1st session.) †  
L.C. card 76-602490 Y 4.G 74/6 : R 47/3

14038 Utility consumers' council act of 1969, hearings before Subcommittee on Intergovernmental Relations, 91st Congress, 1st session, on S. 607.  
● Item 1037  
L.C. card 78-60087 Y 4.G 74/6 : Ut 3/2/pt.- (nos.)  
pt. 6A. June 26-July 9, 1969. 1969. xvi+1389-1664 p. \* Paper, \$1.25.  
pt. 6B. June 26-July 9, 1969. iv+1665-1802 p. ll. \* Paper, 55c.

### Interior and Insular Affairs Committee, Senate Washington, DC 20510

14039 Acreage limitation amendments, hearing before Subcommittee on Water and Power Resources, 91st Congress, 1st session, on S. 2062 and S. 2072, July 18, 1969. 1969. iii+20 p. † ● Item 1040  
L.C. card 70-603617 Y 4.In 8/13 : Ac 7/5

14040 Annual meeting with directors of National Reclamation Association, memorandum of chairman to members of Committee on Interior and Insular Affairs; Feb. 26, 1969. 1969. v+36 p. ll. (Committee print, 91st Congress, 1st session.) †  
L.C. card 72-603308 Y 4.In 8/13 : N 21r/2

14041 Buffalo National River, Ark., hearing before Subcommittee on Parks and Recreation, 91st Congress, 1st session, on S. 855, May 27, 1969. 1969. vii+192 p. map. † ● Item 1040  
L.C. card 71-603226 Y 4.In 8/13 : B 86

14042 Interior nomination, hearing, 91st Congress, 1st session, on nomination of Edward E. Johnston, of Hawaii, to be High Commissioner of Trust Territory of Pacific Islands, Apr. 30, 1969. 1969. ii+8 p. † ● Item 1040  
L.C. card 76-602230 Y 4.In 8/13 : N 72/969-7

14043 Interior nomination, hearing, 91st Congress, 1st session, on nomination of Louis R. Bruce of New York, to be Commissioner of Indian Affairs, Aug. 11, 1969. 1969. ii+14 p. † ● Item 1040  
L.C. card 77-603395 Y 4.In 8/13 : N 72/969-8

14044 Interior nominations, hearings, 91st Congress, 1st session, on nomination of Carlos Garcia Camacho, of Guam, to be Governor of Guam, and nomination of Melvin H. Evans, of Virgin Islands, to be Governor of Virgin Islands, June 17, 1969. 1969. ii+18 p. † ● Item 1040  
L.C. card 71-603356 Y 4.In 8/13 : N 72/969-6

14045 Navajo Indian irrigation project, hearing before Subcommittee on Water and Power Resources, 91st Congress, 1st session, on S. 203, July 15, 1969. 1969. iii+34 p. † ● Item 1040  
L.C. card 78-603371 Y 4.In 8/13 : N 22/7

14046 Oversight of oil development activities in Alaska, hearing before Special Subcommittee on Legislative Oversight, 91st Congress, 1st session, on Department of Interior's manpower and funding requirements and capability to oversee oil resource development activities on public lands in Alaska, Aug. 12, 1969. 1969. iii+32 p. † ● Item 1040  
L.C. card 78-603600 Y 4.In 8/13 : Al 1/22

### Judiciary Committee, Senate Washington, DC 20510

14047 Crime in National Capital, hearings, pt. 3. See District of Columbia Committee, Senate.

14048 Electing the President, hearings before Subcommittee on Constitutional Amendments, 91st Congress, 1st session, on S.J. Res. 1 [and other bills], Jan. 23-May 2, 1969. 1969. viii+1053 p. † ● Item 1042  
L.C. card 73-603394 Y 4.J 89/2 : P 92/11/969

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14049 Extent of subversion in campus disorders, hearings before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 91st Congress, 1st session.  
pt. 1. Testimony of Ernesto E. Blanco, June 19, 1969. 1969. iii+88 p. il. \* Paper, 40c. • Item 1042  
L.C. card 79-603540 Y 4.J 89/2 : C 15/pt.1

14050 Measures relating to organized crime, hearings before Subcommittee on Criminal Laws and Procedures, 91st Congress, 1st session, on S. 30 [and other bills]. Mar. 18-June 4, 1969. 1969. viii+558 p. il. † • Item 1042  
L.C. card 77-603588 Y 4.J 89/2 : C 80/10

14051 Proposed academic freedom protective act of 1969, hearing before Subcommittee to Investigate Administration of Internal Security Act and Other Internal Security Laws, 91st Congress, 1st session, on S. 1988, Aug. 5, 1969. 1969. iii+105+iv p. † • Item 1042  
L.C. card 73-603615 Y 4.J 89/2 : Ac 1

*Labor and Public Welfare Committee, Senate*  
Washington, DC 20510

14052 Allocations of Federal funds under 3 student assistance programs, college work-study program, national defense student loan program, and educational opportunity grants program for fiscal years 1969 and 1970; July 1969. 1969. v+209 p. (Committee print, 91st Congress, 1st session.) ‡  
L.C. card 76-602996 Y 4.L 11/2 : St 9/5

14053 Coal mine health and safety, hearings before Subcommittee on Labor, 91st Congress, 1st session, on S. 355 [and other] bills.  
pt. 4. Feb. 27-May 2, 1969. 1969. iii p. 12 p. of pl. [Plates are colored.] †  
• 1043 L.C. card 70-601935 Y 4.L 11/2 : C 63/2/pt.4

14054 Communicable disease control, hearing before Subcommittee on Health, 91st Congress, 1st session, on S. 2264 [and] S. 1622, June 30, 1969. 1969. iv+137 p. il. † • Item 1043  
L.C. card 77-603616 Y 4.L 11/2 : C 73/3

14055 Enactments by 90th Congress concerning education and training, 2d session 1968 (with related presidential recommendations, legislative histories of bills, and digests of enactments); prepared [by Charles A. Quattbaum], Legislative Reference Service, Library of Congress. June 1969. xiv+422 p. (Committee print, 91st Congress, 1st session.) ‡  
L.C. card 76-602998 Y 4.L 11/2 : Ed 8/18/968

14056 Medical care facilities construction and modernization, hearings before Subcommittee on Health, 91st Congress, 1st session, on S. 2182 [and] H.R. 11102, June 12-19, 1969. 1969. vi+381 p. il. † • Item 1043  
L.C. card 77-603230 Y 4.L 11/2 : M 46/12

14057 Medical library amendments of 1969, hearing before Subcommittee on Health, 91st Congress, 1st session, on S. 2549, S. 2239, and H.R. 11702, July 31, 1969. 1969. iv+237 p. il. † • Item 1043  
L.C. card 71-603601 Y 4.L 11/2 : M 46/13

*Nutrition and Human Needs, Select Committee on, Senate*  
Washington, DC 20510

NOTE.—The Select Committee on Nutrition and Human Needs was established as a select committee of the Senate by S. Res. 281 of the 90th Congress, 2d session, which was considered, amended, and agreed to July 30, 1968.

14058 Nutrition and human needs, hearings, 90th Congress, 2d session, and 91st Congress, 1st session. • Item 1009  
L.C. card 76-600776 Y 4.N 95 : N 95/pt.(nos.)  
pt. 9. California, May 8 and 9, 1969. 1969. vi+2719-3155 p. [Hearings held in Los Angeles and San Francisco.] \* Paper, \$1.75.  
pt. 10. SCLC and East St. Louis, May 14 and June 27, 1969. [1969.] iv+3157-3408 p. [Hearings held in Washington, D.C. and East St. Louis, Ill.] \* Paper, \$1.00.  
pt. 11. Child nutrition and school food assistance, July 9-11, 1969. 1969. v+3405-3754 p. il. \* Paper, \$1.50.

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### *Post Office and Civil Service Committee, Senate* *Washington, DC 20510*

14059 Census nomination, hearing, 91st Congress, 1st session, on nomination of George Hay Brown to be Director, Bureau of Census, Aug. 7, 1969. 1969. iii+14 p. ↑ ● Item 1044  
L.C. card 73-603351 Y 4.P 84/11 : C 33/969

### *Public Works Committee, Senate* *Washington, DC 20510*

[Committee publication] serial, 91st Congress.

14060 16. Oversight hearings on highway safety program, hearings before Subcommittee on Roads, 91st Congress, 1st session, on review of programs implementing requirements of Highway safety act of 1966 and S. 2399, June 24-July 1, 1969. 1969. iv+252 p. ll. ↑ ● Item 1045  
L.C. card 77-603407 Y 4.P 96/10 : 91-16

14061 Toward a national materials policy, report on proposed Commission on National Materials Policy; prepared by ad hoc committee originated by Legislative Reference Service, Library of Congress, at request of J. Caleb Boggs, Apr. 1969. 1969. vii+86 p. 1 pl. (Committee print, 91st Congress, 1st session.) ♫  
L.C. card 72-602997 Y 4.P 96/10 : M 41/3

### *Small Business, Select Committee on, Senate* *Washington, DC 20510*

14062 Impact of crime on small business, 1969, hearings, 91st Congress, 1st session.  
pt. 1. May 21-July 22, 1969. 1969. v+376 p. ll. ↑ ● Item 1049  
L.C. card 70-603538 Y 4.Sm 1/2 : C 86/3/969/pt.1

### *CONSUMER AND MARKETING SERVICE, Agriculture Dept.* *Washington, DC 20250*

1970 acreage-marketing guides AMG (series).

14063 69. Winter vegetables and potatoes. Aug. 1969. 36 p. ll. 4° ↑ ● Item 18-D  
L.C. card 76-603317 A 88.26/4 : 69

14064 Cotton quality, crop of 1968. Aug. 1969. cover title, [1]+4-62 p. ll. 4°  
([United States cotton quality report for ginnings] v. 42, no. 7; Cotton Division.) [Text on p. 2 of cover.] ↑ Consumer and Marketing Service, Market News Section, Cotton Division, P.O. Box 17723, Memphis, TN 38117 A 88.11 : 42/7

14065 Cotton quality, supply, disappearance, carryover, 1968-69. Sept. 1969. cover title, 12 p. 4° ([United States cotton quality report for ginning] v. 42, no. 8; Cotton Division.) [Text on p. 2 of cover.] ↑ Consumer and Marketing Service, Market News Section, Cotton Division, P.O. Box 17723, Memphis, TN 38117 A 88.11 : 42/8

PMG (series).

14066 6. 1969 broiler marketing guide, supplement. [Sept. 1969.] 11 p. 4°. ↑ ● Item 18-D A 88.26/5 : 6/suppl.

### *COPYRIGHT OFFICE, Library of Congress* *Washington, DC 20540*

14067 Catalog of copyright entries, 3d series, v. 22. \* Paper, \$50.00 a yr. (including semiannual issues for pts. 1-13); \$12.50 additional for foreign mailing. ● Item 797  
L.C. card 6-635347 LC 3.6/5 : v.22/pt. (nos.)

pt. 6. Maps and atlases, no. 2; July-Dec. 1968. 1969. ix+117-195 p. 4°  
NOTE.—Part 6 also sold separately on subscription. \* Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy, \$2.50.

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14068 pt. 7-11A. Works of art, reproductions of works of art, scientific and technical drawings, photographic works, prints and pictorial illustrations, no. 2; July-Dec. 1968. 1969. ix+173-322 p. 4°

NOTE.—Parts 7-11A also sold separately on subscriptions. \* Paper, \$5.00 a yr., \$1.25 additional for foreign mailing; single copy, \$2.50.

Circulars. † • Item 802-A

LC 3.4/2:(nos.)

14069 2B. Selected bibliography on copyright. [Aug. 1969.] [2] p. 4°  
 14070 14. New versions and reprints. [Aug. 1969.] 2 p. 4°  
 14071 41. Choreographic works. [Oct. 1968.] 2 p. 4°  
 14072 60. Copyright for books. [Aug. 1969.] 2 p.

COURT OF CLAIMS  
Washington, DC 20006

14073 [U.S. Court of Claims reports]; v. 186, cases decided in United States Court of Claims, Dec. 1, 1968-Feb. 28, 1969, with report of decisions of Supreme Court in Court of Claims cases; reported by Audrey Bernhardt, acting reporter. 1969. xvii+983 p. ll. 4° \* Cloth, \$5.75. • Item 730  
L.C. card 11-11998 Ju 3.9: 186

CUSTOMS BUREAU, Treasury Dept.  
Washington, DC 20226

14074 Can you find it? [1969.] cover title, [12] p. ll. 4° [Text on p. 2-4 of cover.] † • Item 950 T 17.2: F 49

14075 Customs hints for returning U.S. residents, know before you go. [1969.] [2]+24+[2] p. ll. narrow 8° ([Office of Information and Publications.]) [Some illustration are colored.] \* Paper, \$25.00 per 100; single copy, 35c. • Item 950 T 17.2: O 96/3/969

14076 115th set revised pages to Customs regulations through Aug. 1968. 1968 [published 1969]. [31] p. 4° [Includes amendments made by Treasury decisions 68-160 through 68-200. Issued in looseleaf form.] \* Paper, \$9.00 (including basic book and revised pages for an indefinite period); \$3.00 additional for foreign mailing. • Item 948-A T 17.9: 966/rev.pages 115

14077 118th set revised pages to Customs regulations through Feb. 1969. [1969.] [34] p. 4° [Includes amendments made by Treasury decisions 69-1 through 69-55. Issued in looseleaf form.] \* Paper, \$9.00 (including basic book and revised pages for an indefinite period); \$3.00 additional for foreign mailing. • Item 948-A T 17.9: 966/rev.pages 118

DEFENSE DEPARTMENT  
Washington, DC 20301

14078 Annual historical summary: Defense Documentation Center [Cameron Station, Alexandria, Va.], July 1, 1966-June 30, 1967. Oct. 1, 1967. Cover title [52] p. ll. 4° (RCS: DD-DSA(A) 216(L); Defense Supply Agency † L.C. card 72-601626 D 7.1/10: 966-67

14079 — Defense Documentation Center [Cameron Station, Alexandria, Va.], July 1, 1967-June 30, 1968. [1969.] cover title, iv+[1]+17+[2] p. ll. 4° (RCS DD-DSA (A) 216 (L); Defense Supply Agency.) † L.C. card 72-601626 D 7.1/10: 967-68

14080 21st annual report to Congress on National Industrial Reserve under public law 883, 80th Congress. Apr. 1, 1969. cover title, [4] leaves+40 p. ll. 4° † L.C. card 50-60617 D 7.21: 969

\*For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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Page 35

GOVERNMENT PUBLICATIONS

14081 Armed services vocational aptitude battery, high school counselors manual [with list of publications]. [Apr. 1968.] cover title, iv+44 p. il. ([Office of Assistant Secretary of Defense, Manpower and Reserve Affairs.]) [Pages ii and iv are blank, but no text is missing.] ‡ D 1.6/2: Ar 5

Defense Supply Agency Manual DSAM (series). • Item 314-A  
D 7.6/8:(nos.)

14082 4130.2. Federal item identification guides (FIIG) improvement program procedures manual, Change 1. July 14, 1969. [4] p. 4° ([Army Dept.] AR 708-9, CH 1; [Navy Dept.] NAVSUP PUB 5001, CH 1; [Air Force Dept.] AFM 72-3, CH 1; [Marine Corps] MCO P4410.6B, CH 1) [Issued in looseleaf form.] \* Paper, 10c.

14083 4145.2, v. 1. Preservation, packaging, and packing of military supplies and equipment, Jan. 24, 1968, Change 1. Aug. 18, 1969. [56] p. il. 4° (Army Dept. technical manual 38-230-1; Navy Dept. publication NAVAIR 15-01-1; Air Force Dept. pamphlet AFP 71-4, v. 1; Marine Corps manual MCO P4030.31) [Issued in looseleaf form.] ‡

14084 7000.1. Accounting and finance manual, Change 23. Aug. 12, 1969. [274] p. 4° [Issued in looseleaf form.] ‡

14085 Federal item identification guide: Capacitors fixed, Sept. 6, 1968, Change 1. Aug. 29, 1969. [25] p. il. 4° (FIIG A010; Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 25c. • Item 314-A D 7.6/4: C 17/ch.1

14086 — Junction boxes, Dec. 20, 1968, Change 2. July 11, 1969. [4] p. 4° (FIIG A061; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 10c. • Item 314-A D 7.6/4: J 95/ch.2

14087 — Keys and pins, July 7, 1967, Change 2. Aug. 1, 1969. [13] p. 4° (FIIG A212; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] \* Paper, 10c. • Item 314-A D 7.6/4: K 52/ch.2

14088 — Lens, lighting, Dec. 20, 1968, Change 2. July 11, 1969. [4] p. 4° (FIIG A075; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] \* Paper, 10c. • Item 314-A D 7.6/4: L 54/ch.2

14089 — Lift trucks, fork, platform, and pallet. Aug. 1, 1969. cover title, [69] p. il. 4° (FIIG A085; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 60c. • Item 314-A D 7.6/4: L 62/ch.2

14090 — Medicaments. Aug. 1, 1969. cover title, [84] p. 4° (FIIG T002; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, \$1.00. • Item 314-A D 7.6/4: M 46

14091 — Nuts, Aug. 30, 1968, Change 1. July 18, 1969. [24] p. il. 4° (FIIG A021; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 20c. • Item 314-A D 7.6/4: N 95/ch.1

14092 — Ranges, electric, gas, and oil burning, Nov. 29, 1968, Change 2. July 11, 1969. [4] p. 4° (FIIG A050; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued in looseleaf form.] \* Paper, 10c. • Item 314-A D 7.6/4: R 16/ch.2

14093 — Threaded fasteners, May 1, 1967, Change 3. July 18, 1969. [18] p. 4° (FIIG A003; Defense Supply Agency, Defense Logistics Services Center, Battle Creek, Mich.) [Issued with perforations.] \* Paper, 20c. • Item 314-A D 7.6/4: F 26/ch.3

\*For Sale by Superintendent of Documents

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OCTOBER 1969

14094 Federal supply classification listing of DoD standardization documents; July 1, 1969. [1969.] viii+531 p. 4° [Issued in looseleaf form. Supersedes index date May 1, 1968 and supplement dated May 1, 1969.] \* Paper, \$12.00 (including basic book and supplementary material for an indefinite period); \$2.50 additional for foreign mailing. • Item 314-G  
L.C. card 67-1774 D 7.14/2: 969

14095 How new food products from industry are authorized for use by U.S. Armed Forces. [1969.] [1]+12 p. il. narrow 8° (Office of Assistant Secretary of Defense, Dept. of Defense Food Planning Board, Armed Forces Product Evaluation Committee, Chicago, Ill.) ‡ D 1.2: F 73

14096 Index of specifications and standards; July 1, 1969. [1969.] [Issued in looseleaf form. Supersedes Index dated July 1, 1968 and Supplement dated May 1, 1969. \* Paper, \$22.00 (including basic issues pts. 1 and 2, with cumulative bimonthly supplements for each part for an indefinite period); \$5.00 additional for foreign mailing. • Item 314-G  
L.C. card 67-1775 D 7.14: 969/pt.1,2  
pt. 1. Alphabetical listing. viii+473 p. 4°  
pt. 2. Numerical listing. ix+543+51 p. 4°

14097 Index of specifications and standards: July 1, 1969: pt. 2, Numerical listing, appendix (canceled documents). 1969. iv+203 p. 4° \* Paper, \$2.50. • Item 314-G  
L.C. card 67-1775 D 7.14: 969/pt.2/app.

14098 Military assistance facts. May 1969. cover title, [1]+22 p. il. oblong 12° (Office of Assistant Secretary of Defense, International Security Affairs.) [Text on p. 2 of cover.] ‡ D 1.2: M 59/5/969

Military standard MIL STD (series). [Issued with perforations.] ‡  
• Item 314-J D 7.10: (nos.)

14099 280A. Definitions of item levels, item exchangeability, models and related terms. July 7, 1969. [1]+11+5 p. 4° [(MISC-0361).] [Supersedes MIL-STD-280, Apr. 4, 1956 and MIL-STD-243A, Aug. 31, 1964.]

14100 286B. Propellants, solid, sampling, examination and testing, Notice 1. July 15, 1969. [128] p. il. 4° (FSC 1376.)

14101 701G. Lists of standard semiconductor devices, notices 3. May 28, 1969. [29] p. 4° (FSC 5961.)

14102 858. Testing standard for personnel parachutes. June 26, 1969. [60] p. 4° [Supersedes MIL-P-6031, Mar. 22, 1950, and USAF bulletin 505, June 18, 1959.]

14103 864. Ground support equipment functional classification categories. July 3, 1969. iii+35+[1] p. 4° (FSC MISC.) [Supersedes Air Force Specification bulletin 507, July 19, 1962.]

14104 1221. Protective compounds (for personnel). June 16, 1969. vi+25 p. 4° (FSC 6850.)

14105 1222. Inorganic salts and compounds, analyzed reagent and reagent grade. June 5, 1969. xviii+89 p. 4° (FSC 6810.) [Issued with perforations.]

14106 1331. Parameters to be controlled for specification of microcircuits. Jan. 10, 1969. iii+17 p. il. 4° (FSC 5962.)

14107 1333. Aircrew station geometry for military aircraft. June 2, 1969 vi+24+[2] p. il. 4° (FSC 1500.)

14108 1341(SA). Symbols for packages and containers for hazardous industrial chemicals and materials. June 20, 1969. v+19 p. il. 4° (FSC PACK.)

14109 1345(EC). Data, measurement, in support of maintenance, calibration and repair of electronic equipment. June 6, 1969. iv+22 p. il. 4° (FSC MISC.; Naval Electronic Systems Command, Navy.)

14110 1430. Spectacles, industrial. Feb. 20, 1969. v+8 p. il. 4° (FSC 4240.)

14111 1480A. Color codes for webbing, textile ; manufacturers' identification. Dec. 18, 1968. (FSC 8305.) [Supersedes MIL-STD-1480, Mar. 15, 1968.]

14112 27829. Marker, self luminous, aircraft exit, spring pin mounted. Revised Mar. 6, 1969. 1969. 1 p. il. 4° (Fed. sup. class 9905.) [Issued with perforations.]

14113 MILSTRIP, military assistance program address directory, supp. 2 [Sept. 1, 1967]: Change 4A. June 1969. [16] p. 4° (DOD 4140.17-M; [Office of Assistant Secretary of Defense (Installations and Logistics).]) [Issued in looseleaf form.] \* Paper, 15c. • Item 314-A  
D 7.6/4: M 59/supp.2/rev.-2/ch.4A

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Commerce, Springfield, Va. 22151

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GOVERNMENT PUBLICATIONS

14114 MILSTRIP, Military assistance program address directory, supp. 2 [Sept. 1, 1967] : Change 4B. June 30, 1969. [5] p. 4° (DOD 4140.17-M; [Office of Assistant Secretary of Defense (Installations and Logistics).]) [Issued in looseleaf form.] \*Paper, 10c. • Item 314-A  
D 7.6/4 : M 59/suppl.2/rev.-2/ch.4B

14115 Real and personal property of Department of Defense, as of June 30, 1968. [1969.] [1] + vi + 178 p. ll. 4° (Office of Comptroller.) †  
L.C. card 57-60984 D 1.2 : P 94/8/968

DISTRICT OF COLUMBIA  
Washington, DC 20004

14116 List of legal investments for trust funds in District of Columbia as of July 1, 1969. [1969.] ii + 72 p. [Semiannual.] † Office of Register of Wills and Clerk of Probate Court, Washington, D.C. • Item 430-A  
L.C. card 41-7391 DC 21.9: 960-2

ECONOMIC DEVELOPMENT ADMINISTRATION, Commerce Dept.  
Washington, DC 20230

14117 Economic development districts under provisions of Public works and economic development act of 1965. Public Law 89-136, status as of July 1, 1968. [1968.] [1] + 18 p. 4° (Office of Development Districts.) †  
C 46.2 : Ec 7/4/968-2

14118 EDA, building communities with jobs. [June 1969.] 8 p. narrow 8° †  
C 46.2 : C 73/3/969

14119 Selected Indian reservation program. Apr. 1969. [6] p. narrow 8° †  
C 46.2 : In 2/4

ECONOMIC OPPORTUNITY OFFICE, Executive Office of the President  
Washington, DC 20506

OEO pamphlets. † • Item 857-H-17 Pr Ex 10.23 : (nos.)  
14120 4100-7. Me, [from children of Deep South comes a cry for help that cannot be ignored; text by Lea Heine; illustrations by Hattie Mae]. [1969.] 40 p. ll. 4° ([Volunteers in Service to America.]) [Text on p. 2 of cover.]  
14121 6130-4. If you're not ready for another baby. [July 1969.] [20] p. ll. small 4° [Produced for Health Services Office, Community Action Program, by Carolina Population Center, Chapel Hill, N.C.]  
14122 6172-1. Resources for the aging, an action handbook [with bibliography]. 2d edition, updated and revised, 1969. xli + 224 p. oblong 12° ([Prepared for Community Action Program, Office of Economic Opportunity, by National Council on Aging, 315 Park Ave. S., New York, NY 10010, under contract OEO-2468. Illustrations on p. 2 of cover.])  
L.C. card 74-603598

ECONOMIC RESEARCH SERVICE, Agriculture Dept.  
Washington, DC 20250

Agricultural economic report

14123 99. 1966 supplement to costs of producing upland cotton in United States, 1964; [by I. R. Starbird and B. L. French]. [Sept. 1969.] iv + 42 p. ll. 4° \*Paper, 40c. • Item 42-C A 93.25 : 99/suppl.966

ERS (series).

14124 421. Preliminary economic analysis of Ozark gateway district. [Aug. 1969.] vi + 48 p. ll. 4° † • Item 42-1  
L.C. card 70-603456 A 93.21 : 421

ERS-foreign (series).

14125 248. Summary of United Kingdom, projected level of demand, supply, and imports of agricultural products, 1970, 1975, and 1980. [July, 1969.] [1] + vi + 58 p. † • Item 76-G  
L.C. card 79-603575 A 93.21/2 : 248

14126 Farm real estate market developments, CD-73. Aug. 1969. 36 p. ll. 4°  
† • Item 42-A A 93.9/4 : 73

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‡Official Use. Not Available

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EDUCATION OFFICE, Health, Education, and Welfare Dept.  
Washington, DC 20202

14127 Administration of Public laws 81-874 & 81-815 [as amended], 18th annual report of Commissioner of Education, June 30, 1968: pt. 1; [prepared by Division of School Assistance in Federally Affected Areas]. [1969.] viii+31 p. 4<sup>o</sup> (OE-22003-68, pt. 1.) [Text on p. 2 of cover.] \* Paper, 45c. • Item 460-A-22  
L.C. card E 52-22 FS 5.222: 22003-68/pt.1

14128 — pt. 2 [Basic tables]. [1969.] iii+180 p. 4<sup>o</sup> (OE-22003-68, pt. 2) [Pages numbered 71, 77, and 169 are intentionally left blank.] \* Paper, \$1.75. • Item 460-A-22  
L.C. card E 52-22 FS 5.222: 22003-68/pt.2

14129 Associate degrees and other formal awards below baccalaureate, 1967-68 [higher education]; by Mary Evans Hooper. [June 1969.] vi+118 p. 4<sup>o</sup> (OE-54045-68; National Center for Educational Statistics.) [Includes highlights and list of related NCES publications on p. 2 and 3 of cover.] \* Paper, \$1.25. • Item 460-A-54  
L.C. card 75-602108 FS 5.254: 54045-68

14130 Can television really teach? [by Edward L. Palmer]. [1969.] [8] p. ll. large 4<sup>o</sup> (OE-34044; Bureau of Research). [Reprinted from American education, Aug.-Sept. 1969.] \* Paper, 20c. • Item 460-A-34  
FS 5.284: 34044

14131 Directory of educational information centers. [1969.] x+118 p. 4<sup>o</sup> (OE-12042.) [Prepared by System Development Corporation in performance of contract OEC-0-8-080346-2800.] \* Paper, \$1.25. • Item 460-A-12  
L.C. card 75-603574 FS 5.212: 12042

14132 Education problems of handicapped in inner city, remarks by James E. Allen, jr., Assistant Secretary for Education and U.S. Commissioner of Education, before conference on Problems of education of children in inner city, jointly sponsored by President's Committee on Mental Retardation and Office of Education, Warrenton, Va., Aug. 11, 1969. [1969.] 11 leaves, 4<sup>o</sup> ↑ FS 5.8: A1 53/5

14133 Electrical appliance serviceman (D.O.T. occupational code 827.281), suggested guide for training course [with list of textbooks and references]. [1969.] v+14 p. 4<sup>o</sup> (OE-87039; Bureau of Adult, Vocational, and Library Programs, Manpower Development and Training Program.) \* Paper, 30c. • Item 460-A-87 FS 5.287: 87039

14134 Electronics mechanic, entry (D.O.T. occupation code 828.281) suggested guide for training course [with list of textbooks and references]. [1969.] iv+14+[1] p. ll. 4<sup>o</sup> (OE-87040; Bureau of Adult, Vocational, and Library Programs, Manpower Development and Training Program.) \* Paper, 30c. • Item 460-A-87 FS 5.287: 87040

14135 Foreign curriculum consultant program for American schools, colleges, and departments of education, 1970-71. [1969.] cover title, [8]+11 p. oblong 12<sup>o</sup> ([OE-14143; Institute of International Studies.]) ↑ \* Item 460-A-14 FS 5.214: 14143

14136 It's Y.O.U.; [by Ellen Ferber]. [1969.] [7] p. ll. large 4<sup>o</sup> (OE-37046.) [Reprinted from American Education, Aug.-Sept. 1969.] \* Paper, 20c. • Item 460-A-37  
FS 5.237: 37046

14137 Let's be practical about reading; by Carl B. Smith. [1969.] [4] p. ll. large 4<sup>o</sup> (OE-30022.) [Reprinted from American education, Aug.-Sept. 1969.] \* Paper, 10c. • Item 460-A-30  
FS 5.230: 30022

14138 Library statistics of college and universities: Data for individual institutions, fall 1967; by Bronson Price. [June 1969.] v+346 p. 4<sup>o</sup> (OE-15203-67; National Center for Educational Statistics.) [Includes list of related NCES publications on p. 3 of cover.] \* Paper, \$2.50. • Item 460-A-15  
L.C. card 75-603026 FS 5.215: 15023-67

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## GOVERNMENT PUBLICATIONS

14139 Mexican-Americans, handbook for educators [with guide to further reading]; by Jack D. Forbes. [1969.] [3]+34 p. 4° [Prepared by Far West Laboratory for Educational Research and Development.] \* Paper, 45c. ● Item 461-A (Rev. 1965)  
L.C. card 68-65232 FS 5.6/2 : M 57

14140 New education: Promise and performance, address by James E. Allen, Jr., Assistant Secretary for Education and U.S. Commissioner of Education, before 53rd annual convention of American Federation of Teachers (AFL-CIO), Aug. 20, 1969, New Orleans, La. [1969.] 12 leaves, 4° † FS 5.8 : A1 53/6

14141 Recreation program leadership, suggested 2-year post high school curriculum [with list of texts and references]. [1969.] viii+87 p. il. 4° (OE-87042.) \* Paper, \$1.00. ● Item 460-A-87 FS 5.287 : 87042

14142 Research and training opportunities abroad for higher education programs in foreign language and area studies, 1970-71, authorized by Public law 87-256, Mutual educational and cultural exchange act of 1961 (Fulbright-Hays act), sec. 102(b) (6), and Public law 83-480, Agricultural trade development and assistance act of 1954, sec. 104(b) (2) and (3). [1969.] [3]+19 p. oblong 12° (OE 14134-70); Institute of International Studies. [Illustration on cover, Earth against void of space as photographed by crew of Apollo 8.] † ● Item 460-A-14 FS 5.214 : 14134-70

14143 Resumes of selected projects for handicapped children funded under P.L. 89-313, amendment to title I, ESEA and title 6-A, ESEA, fiscal year 1968. May 1969. iii+104 p. 4° (Bureau of Education for the Handicapped.) † ● Item 461 (Rev. 1965)  
L.C. card 70-603676 FS 5.2 : H 19/5/968

14144 Title 1 ESEA program guides numbers 44 and 45-A. Reprinted Aug. 1969. iv+19 p. 4° (OE-37047.) † ● Item 460-A-37 FS 5.237 : 37047

14145 U.S. Office of Education, support of computer activities; by Andrew R. Molnar [and] Beverly Sherman. Jan. 1969. iii+210 p. (OE-12044.) \* Paper, \$1.75. ● Item 460-A-12  
L.C. card 75-603436 FS 5.212 : 12044

## EMPLOYMENT SECURITY BUREAU, Labor Dept. Washington, DC 20210

14146 Job market for engineers, scientists, technicians; [prepared by Renee L. Gallop]. July 1968. cover title, iv+27 p. il. 4° ([United States Employment Service.]) [Issued semiannually.] † L 7.63/2 : 968/2

## ENGINEERS CORPS (Army), Defense Dept.

NOTE.—Order or requests for publications of the Engineers Corps, other than those sold by the Superintendent of Documents or by offices of the Engineers Corps in other cities, should be addressed to Chief of Engineers, U.S. Army, Washington, DC, 20310, Attention Publications Office.

14147 Albeni Falls Dam, Pend Oreille River, northern Idaho. May 1969. 1 sheet (with map on verso.) il. large 4° folded into narrow 8° size. (U.S. Army Engineer District, Seattle.) † D 103.2 : A1 1

14148 Annual fish passage report, Columbia River projects, Bonneville, The Dalles, John Day, McNary; Snake River project, Ice Harbor, Oreg. and Wash., 1968, prepared by Army Engineer Districts, Portland and Walla Walla. [1969.] cover title, [1]+vi+15+[4] p. il. 79 tabs. 27 pl. 4° ([Reports control symbol NPDPL-79]; North Pacific Division.) †  
L.C. card 58-63332 D 103.27 : 968

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Coastal Engineering Research Center: Technical memorandum.

14149 27. Corrosion and protection of steel piling [with list of literature cited]; by Laverne L. Watkins. May 1969. v+52+[53] p. ll. 4° [Abstract cards attached.] † (Limited distribution), U.S. Army Coastal Engineering Research Center, 5201 Little Falls Road NW, Washington, DC 20016 D 103.42:27

14150 Floods on South Fork of Eel River, Phillipsville to Garberville. June 1969. [1]+6+[1] p. ll. (with map on verso), narrow 8° (U.S. Army Engineer District, San Francisco.) [Prepared by Humboldt County by Corps of Engineers from data in Flood plain information, South Fork Eel River, Phillipsville to Garberville, Humboldt County, Calif.] † D 103.47/2: P 54

14151 Notes on sedimentation activities, calendar year 1967. Aug. 1968. cover title, iv+144 p. 4° [Prepared under auspices of Water Resources Council, Committee on Sedimentation.] † L.C. card 68-62160 D 103.2: Se 2/067

Port series. [Part 1 of Port series is prepared by Division of Ports, Maritime Administration, Commerce Dept., and part 2 by Port Facilities Branch, Board of Engineers for Rivers and Harbors.]

14152 15. Port of Jacksonville, Fla., pt. 2. Revised 1969. 1969. v+64 p. ll. 3 maps 4° \* Paper, \$1.75. • Item 340 L.C. card 70-603589 D 103.8: 15/2

14153 River highway for trade, the Savannah, canoes, Indian tradeboats, flat-boats, steamers, packets, and barges, by Ruby A. Rahn; [M. L. Granger, editor]. June 1968. cover title, [3]+52+6+31 p. ll. 4° † U.S. Army Engineer District, Savannah, Corps of Engineers, Savannah, Ga. L.C. card 70-603437 D 103.2: Sa 9

14154 Water resources development by U.S. Army Corps of Engineers in New York. Jan. 1, 1969. cover title, [4]+x+151 p. ll. 2 pl. 4° (North Atlantic Division.) [Plates are colored.] † L.C. card 76-602703 D 103.35: N 42 y

Waterways Experiment Station.  
Note.—Unless otherwise indicated, publications of Waterways Experiment Station may be ordered from Corps of Engineers, U.S. Army, Waterways Experiment Station, Vicksburg, Miss. (price upon application).

Waterways Experiment Station: Technical reports. † D 103.24/2:(nos.)

14155 H-69-9. Theoretics in design of proposed Crescent City Harbor tsunami model [with list of literature cited]; by G. H. Keulegan, J. Harrion, M. J. Mathews. Army-MRC, Vicksburg, Miss., June 1969. [142] p. ll. 4° [Sponsored by Army Engineer District, San Francisco.]

14156 H-69-10. Mechanics of flow from stratified reservoirs in interest of water quality [with selected bibliography]; by J. P. Bohan, J. L. Grace, Jr. Army-MRC, Vicksburg, Miss., July 1969. [100] p. ll. 4° [Sponsored by Army Engineer Districts, Savannah and Philadelphia.]

ENGRAVING AND PRINTING BUREAU, Treasury Dept.  
Washington, DC 20226

14157 Brief history of Bureau of Engraving and Printing. [Jan. 1968.] 8 p. ll. narrow 8° † T 18.2: H 62/2/968

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION,  
Commerce Dept., Washington, DC 20235

Climatography of United States no. 21 (series), Climatic summaries of resort areas. [Environmental Data Service.]

14158 3-1-[2]. White River Lakes, Ark. and Mo.; [by R. O. Reinhold]. Aug. 1969. [4] p. ll. 4° \* Paper, 10c. • Item 273-B C 30.71/6: 3-1-2

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## GOVERNMENT PUBLICATIONS

Climatography of United States 60-nos., Climates of States. (Environmental Data Service.) • Item 273-B C 30.71/3:(nos.)

14159 9. Georgia [with bibliography; by] Horace S. Carter. June 1959, revised and reprinted June 1969. [1969.] 21 p. ll. 4° \* Paper, 20c.

14160 11. Illinois [with bibliography; by] Lawrence A. Schaal. Aug. 1959, revised and reprinted June 1969. [1969.] 19 p. ll. 4° \* Paper, 20c.

14161 19. Massachusetts [with bibliography; by] Robert E. Lautzenheiser. Nov. 1959, revised and reprinted June 1969. [1969.] 19 p. ll. 4° \* Paper, 20c.

14162 23. Missouri [with bibliography; by] J. D. McQuigg. Nov. 1959, revised and reprinted June 1969. [1969.] 19 p. ll. 4° \* Paper, 20c.

ESSA technical memorandum. (National Environmental Satellite Center.)

14163 NESCTM-16. Improvement of clear column radiance determination with supplementary 3.8μ window channel; [by] William L. Smith. July 1969. iii+17 p. ll. 4° \* Paper, \$3.00. C 52.15/2: NESCTM-16

ESSA technical report. (ESSA Research Laboratories: Earth Sciences Laboratories, Boulder, Colo.)

14164 ERL 123-ESL 6. Induction loop antennas for geomagnetic field variation measurements [with list of references]; by Wallace H. Campbell. June 1969. iii+63 p. ll. 4° \* Paper, 65c ↑ • Item 208-B-7 C 52.15: ERL 123-ESL 6

ESSA technical report. (ESSA Research Laboratories: Institute for Telecommunication Sciences, Boulder, Colo.) • Item 208-B-7 C 52.15:(letters-nos.)

14165 ERL 120-ITS 84. Computer routines for synthesizing ground backscatter from three-dimensional raysets [with list of references; by] Judith J. Stephenson [and] T. M. Georges. July 1969. iii+109 p. ll. 4° \* Paper, \$1.00.

14166 ERL 121-ITS 85. Ground wave propagation in normal and ionized atmosphere [with list of references; by] J. Ralph Johler. July 1969. iv+64 p. ll. 4° \* Paper, 65c.

14167 ERL 124-ITS 87. Numerical maps of fBEs for solar cycle minimum [with list of references; by] M. Leftin, S. M. Ostrow. Aug. 1969. v+54 p. ll. 4° \* Paper, 60c.

ESSA technical report. (ESSA Research Laboratories: Pacific Oceanographic Laboratories, Miami, Fla.) • Item 208-B-7 C 52.15: ERL 118-POL(nos.)

14168 ERL 118-POL 8-1. Introduction to hydrodynamics and water waves: v. 1, Fundamentals; [by] Bernard Le Méhauté. July 1969. xxviii+503+[2] p. ll. 4° \* Paper, \$3.75.

14169 ERL 118-POL 8-2. Introduction to hydrodynamics and water waves: v. 2. Water waves theories; [by] Bernard Le Méhauté. July 1969. xx+[1]+507-725 p. ll. 4° \* Paper, \$2.00.

ESSA technical report. (ESSA Research Laboratories, Space Disturbances Laboratory, Boulder, Colo.)

14170 ERL 119-SDL 10. Solar proton monitoring system [with list of references; by] G. W. Adams [and] L. R. Megill. Aug. 1969. iv+43 p. ll. 4° \* Paper, 50c. • Item 208-B-7 C 52.15: ERL 119-SDL 10

ESSA technical report. (National Environmental Satellite Center.)

14171 NESC-44. Processing and display experiments using digitized ATS-1 spin scan camera data [with list of references; by] M. B. Whitney, R. C. Doolittle, and B. Goddard. Apr. 1968. v+60 p. ll. 4° \* Paper, \$3.00. C 52.15: NESC-44

14172 Federal plan for upper air observations above 30 kilometers, fiscal years 1969-73; [prepared by Interdepartmental Committee for Applied Meteorological Research of Office of Federal Coordinator for Meteorological Services and Supporting Research]. July 1969. v+72 p. ll. 4° [Another illustration on p. 2 of cover.] ↑ C 52.2: Up 6

14173 Institutes for Environmental Research scientific and technical publications, fiscal year 1967 [list]. July 1, 1968. viii+65 p. 4° (ESSA Research Laboratories, Scientific Documentation Division, Boulder, Colo.) [Title on cover is: Scientific and technical publications of Institute for Environmental Research.] ↑ C 52.21/4: 967

14174 Management information on ERL's scientific and technical publications, fiscal year 1967; prepared by Scientific Documentation Division, ESSA Research Laboratories, Boulder, Colo. Sept. 1968. [186] p. 4° ↑ C 52.21/5: 967

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‡Official Use. Not Available

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14175 Management information on ERL's scientific and technical publications, fiscal year 1968; prepared by Scientific Documentation Division, ESSA Research Laboratories, Boulder, Colo. Dec. 1968. [185] p. 4° † C 52.21/5: 968

14176 National Meteorological Center. [1969.] [6] p. il. oblong 24° ([ESSA/P1680023 1968.]) † • Item 208-B-1 C 52.2: N 21 m

14177 Scientific and technical publications of ESSA Research Laboratories, fiscal year 1968 [list]. Oct. 1968. vi+65 p. 4° (Scientific Documentation Division, Boulder, Colo.) † C 52.21/4: 968

FEDERAL AVIATION ADMINISTRATION, Transportation Dept.  
Washington, DC 20553

14178 Acceptable methods, techniques, and practices: Aircraft alterations. 1965, reprinted May 1969. cover title, [1]+v+62 p. il. 4° ([Advisory circular] 43.13-2.) [Effective 1965. Includes Changes 1-6. Issued in looseleaf form. Cancels AC 43.201.] \*Paper, \$2.00 (including basic book and supplementary material for an indefinite period); 50c. additional for foreign mailing. • Item 431-F-6 TD 4.28: 969

14179 — Aircraft inspection and repair. 1965, reprinted May 1969. cover title, [1]+xiii+232 p. il. 4° (AC 43.13-1.) [Issued in looseleaf form. Cancels AC 43.201. This reprint incorporates changes 1 through 5.] \*Paper, \$3.00. • Item 431-F-7 TD 4.28/2: 969

14180 Airport design standards, general aviation airports, basic and general transport [with bibliography]. July 14, 1969. cover title, [46] p. il. 4° ([Advisory circular] AC 150/5300-6.) [Issued with perforations.] † TD 4.8: A1 7/14

14181 Current legal literature, Dec. 1967-Feb. 1968 [list]. [1968.] [3]+12 p. 4° (Office of Headquarters Operations, Library Services Division.) † TD 4.17/4: 968/1

14182 Dulles international airport. [1969.] [8] p. il. † TD 4.2: D 88

14183 FAA air traffic activity, fiscal year 1969; [prepared by Viola W. Patterson]. Aug. 1969. x+218 p. il. 4° (Information and Statistics Division, Office of Management Systems.) \*Paper, \$1.75. • Item 431-C-1 TD 4.19: 969  
L.C. card 78-601630

Federal aviation regulations. [Issued in looseleaf form.] † • Item 431-C-18 TD 4.6: (nos.)

14184 pt. 121. Certification and operations: Air carriers and commercial operators of large aircraft, Change 33 [effective] July 11, 1969. [1969.] [14] p. 4° [Incorporates amendment 12147.]

14185 pt. 151. Federal aid to airports, Change 29 [effective] June 19, July 21, Sept. 7, 1969. [1969.] [20] p. 4° [Incorporates amendment 151-32, 151-33 and 151-34.] TD 4.19: 969

14186 Federal aviation regulations, v. 6, Aug. 1969. [1969.] cover title, [261] p. il. 4° [Issued in looseleaf form.] \*Paper, \$5.50 (including basic volume and supplementary materials for an indefinite period); \$1.50 additional for foreign mailing. • Item 431-C-13

Includes—Part 91, General operating and flight rules—Part 93, Special air traffic rules and airport traffic patterns—Part 98, Security control of air traffic—Part 101, Moored balloons, kites, unmanned rockets and unmanned free balloons—Part 103, Transportation of dangerous articles and magnetized materials—Part 105, Parachute jumping. TD 4.6/3: v.6

14187 1st annual national aviation system planning review conference, summary report. Apr. 1969. cover title, iv+50 p. 4° † TD 4.31: 969

Handbook.

14188 6170.1. Electronic equipment modification handbook, data handling equipment. Jan. 14, 1969. cover title. [440] p. il. 4° [Issued in looseleaf form. Cancels Handbook AFP 6620.1 Communications facilities and equipment modification handbook, data handling facilities and equipment, Jan. 1953.] † • Item 431-C-4 TD 4.8/2: 6170.1

\*For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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GOVERNMENT PUBLICATIONS

14189 Military air traffic activity report, calendar year 1968; [prepared by Publication and Service Branch, Information and Statistics Division, Office of Management Systems]. [1969.] cover title, [1]+iv+46+[1] p. oblong 12° † • Item 431-C-1  
L.C. card 72-603698

TD 4.19/4 : 968

System package program NS-SPP (series). (National Airspace System Program Office.)

14190 68-2. NAS en route stage A system. Apr. 26, 1968. cover title, [228] p. il. 4° [Edge index, and how to use, on p. 4 of cover.] †

TD 4.30 : 68-2

FEDERAL CREDIT UNIONS BUREAU, Health, Education, and Welfare Dept., Washington, DC 20201

14191 Development of Federal credit unions. [1969.] 2 leaves+9 p. 4° (FCU 549.) †

FS 3.302 : D 49

FEDERAL EXTENSION SERVICE, Agriculture Dept.  
Washington, DC 20250

14192 4H reports to the nation. Jan. 1969. [1]+28 p. il. oblong 8° †

A 43.2 : F 82/36/969

FEDERAL FIELD COMMITTEE FOR DEVELOPMENT PLANNING  
IN ALASKA  
Suite 400, 632 6th Avenue, Anchorage, AK 99501

NOTE.—The Federal Field Committee for Development Planning in Alaska was established by Executive Order 11182 of Oct. 2, 1964.

14193 Aggregate income model of semi-autonomous Alaskan economy [with bibliography]; prepared by Bradford H. Tuck. Anchorage, Alaska, 1967. [1]+iii+116 p. il. 4° [Text and other illustrations on p. 1 and 2 of cover. Errata, 1 p., was issued also.] †

Y 3.Al 1s/4 : 2 Ec 7/2

14194 Alaska-Northwest Canada economic activities: pt. 1, Summary comparison of mining laws and oil and gas laws and practices with recommendations for policy; prepared by Charles F. Herbert. 1967. cover title, vii+168 p. il. 4° [Text on p. 2 of cover.] †

L.C. card 78-603418

Y 3.Al 1s/4 : 2 Ec 7/5/pt.1

14195 —— pt. 2, Analysis of regional, political, and communications aspects of Alaska-Canada development relations; prepared by George W. Rogers with Douglas N. Jones. Anchorage, Alaska, 1968. cover title, iv leaves+116 p. il. 4° [Text on p. 2 of cover.] †

L.C. card 78-603418

Y 3.Al 1s/4 : 2 Ec 7/5/pt.2

14196 Alaska recreation & government policies [with bibliography]; prepared by Jerome R. Saroff. Anchorage, Alaska, 1967. cover title, iii+143 p. il. 4° [Text on p. 2 of cover.] †

L.C. card 70-603432

Y 3.Al 1s/4 : 2 R 24

14197 Federal regulation of transportation in Alaska; prepared by Morris Chertkov. Anchorage, Alaska, Aug. 1967. cover title, i+47 p. 4° [Text on p. 2 of cover.] †

Y 3.Al 1s/4 : 2 T 68/2

14198 Selected economic indicators, end fiscal 1967; prepared by Bradford H. Tuck. Anchorage, Alaska, July 1967. [1]+i+39 leaves, il. 4° †

Y 3.Al 1s/4 : 2 Ec 7/3

14199 Subregional economic analysis of Alaska [with bibliography]; by Douglas N. Jones [and others]. 1968. cover title, xii+383 p.+5 leaves, il. 4° [Errata sheet was issued also.] †

L.C. card 70-603546

Y 3.Al 1s/4 : 2 Ec 7/4

14200 Summary of Alaskan industries by standard industrial classification and corporate classification; prepared by Roger A. Bye. [1968.] cover title, il. 4° †

L.C. card 75-603854

FP 1.30 : 968

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

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14201 Westward Alaska, native economy and its resource base [with list of publications and other sources cited]; prepared by John D. Abramson. 1968. cover title, [1]+vii+209 p. il. 4° †  
L.C. card 74-601743 Y 3.A1 1s/4: 2 W 52

FEDERAL HOME LOAN BANK BOARD  
Washington, DC 20552

14202 Federal Savings and Loan Insurance Corporation, financial statements, June 30, 1969. [1969.] [6] p. il. narrow 8° † FHL 1.2: F 31/2/969-2  
14203 Report of Federal Home Loan Bank Board for year ending Dec. 31, 1968, [covering operations of] Federal Home Loan Bank System, Federal Savings and Loan Insurance Corporation, Federal Savings and Loan System. [1969.] xlii+141 p. il. † • Item 595  
L.C. card 34-26236 FHL 1.1: 968

FEDERAL HOUSING ADMINISTRATION, Housing and Urban  
Development Dept., Washington, DC 20411

14204 Failure of floor tile systems, investigation [with bibliography]; by B. D. Spangler. Dec. 1968 [published 1969]. [1]+ii+27+[2] p. il. 4° [Prepared for Technical Studies Program. This does not constitute revision to FHA minimum property standards.] † • Item 589 HH 2.2: F 65  
14205 Manufactured housing, technically suitable for FHA mortgage insurance. [1969.] cover title, [224] p. il. 4° (FHA 106.) [Issued with perforations.] \* Paper, \$1.75. • Item 589 HH 2.2: M 31  
14206 Minimum property standards for multifamily housing. June 1969, cover title, [3]+511 p. il. 4° ([FHA 2600.]) [Reprinted to include general revisions M 1 through M 12. Issued in looseleaf form.] \* Paper, \$2.50. • Item 593 HH 2.17/3: M 91/969  
14207 Mortgagees' handbook [new and revised pages: July 1969]. [1969.] [51] p. ([35-17.]) [Includes transmittal memorandum 17. Issued in looseleaf form.] † HH 2.6/6: M 84/962/trans.17

FEDERAL MARITIME COMMISSION  
Washington, DC 20573

FMC SP (series). † FMC 1.9:(nos.)  
14208 69-10. Remarks by John Harilee, Chairman, Federal Maritime Commission, to Executive Committee of Navy League, Colorado Springs, Colo., Aug. 16, 1969. [1969.] 11 p. 4°  
14209 69-11. Remarks by H. B. Mutter, Deputy Solicitor, Federal Maritime Commission, before Federal Bar Association convention, Council for Transportation Law Program, Miami Beach, Fla., Sept. 4, 1969. 9 p. 4°  
14210 69-12. Remarks of Commissioner George H. Hearn, of Federal Maritime Commission, at annual convention of Federal Bar Association before Council for Transportation Law, Miami Beach, Fla., Sept. 4, 1969. [1969.] 11 p. 4°  
14211 69-13. Regulatory problems affecting inter-American transportation, remarks by James E. Masure, Acting Managing Director, Federal Maritime Commission before Federal Bar Association Convention, Council for Transportation Law Program, Miami Beach, Fla., Sept. 4, 1969. [1969.] 8 p. 4°

FEDERAL POWER COMMISSION  
Washington, DC 20426

14212 Cost of pipeline and compressor station construction under non-budget type of certificate authorizations as reported by pipeline companies in fiscal year 1968, (July 1, 1967-June 30, 1968). May 1969. [3]+iv+36 p. il. 4° †  
L.C. card 75-603854 FP 1.30: 968  
14213 Federal Power Commission reports, v. 34, Mar. 18, 1969, errata notice. Mar. 18, 1969. 1 p. † • Item 438 FP 1.20:34/errata

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

National electric rate book, rate schedules for electric service in communities of 2,500 population or more, residential, commercial, and industrial services. [Issued with perforations.]

NOTE.—The complete rate book is made up of separate publications, each representing a State. They are sold on subscription basis by the Superintendent of Documents, \$12.50 a year, \$4.25 additional for foreign mailing; single copy, 25c.

14214 Arizona, July 1969. [2]+10 p. 4° [Supersedes issue of Oct. 1968.] • Item 437-A-2 FP 1.18: Ar 41/969  
14215 Colorado, June 1969. [2]+14 p. 4° [Supersedes issue of Oct. 1968.] • Item 437-A-5 FP 1.18: C 71/969  
14216 Connecticut, July 1969. [2]+8 p. 4° [Supersedes issue of Sept. 1968.] • Item 437-A-6 FP 1.18: C 78/969  
14217 Idaho, July 1969. [2]+8 p. 4° [Supersedes issue of Aug. 1968.] • Item 437-A-10 FP 1.18: Id 1/969  
14218 Nevada, July 1969. [2]+6 p. 4° [Supersedes issue of Oct. 1967.] • Item 437-A-26 FP 1.18: N 41/969  
14219 New Mexico, July 1969. [2]+11 p. 4° [Supersedes issue of Sept. 1968.] • Item 437-A-29 FP 1.18: N 42 m/969  
14220 North Carolina, July 1969. [2]+27 p. 4° [Supersedes issue of Sept. 1968.] • Item 437-A-31 FP 1.18: N 81 c/969  
14221 Oklahoma, July 1969. [2]+19 p. 4° [Supersedes issue of Oct. 1968.] • Item 437-A-34 FP 1.18: Ok 4/969  
14222 Publications list, Aug. 1969. [1969.] 4 p. 4° ↑ FP 1.26: 869-2

### FEDERAL RAILROAD ADMINISTRATION, Transportation Dept. Washington, DC 20591

14223 Published reports by Office of High Speed Ground Transportation and Northeast Corridor Transportation Project, Department of Transportation. [Mar. 1969.] [2]+17+[6] p. 4° ♦ TD 3.12: H 53/2

### FEDERAL REGISTER OFFICE, General Services Administration Washington, DC 20408

14224 United States Government organization manual, 1969-70. Revised July 1, 1969. [1969.] viii+805 p. ll. [Includes Constitution of United States with amendments. Revised annually. Margin index and instructions for use on p. 4 of cover.] \* Paper, \$3.00. • Item 577  
L.C. card 35-26025 GS 4.109 : 969

### FEDERAL RESERVE SYSTEM BOARD OF GOVERNORS Washington, DC 20551

14225 Banking and monetary statistics, 1968. [1969.] 16 p. 4° [Reprinted from Federal reserve bulletin, Feb. & Mar. 1969.] ↑ FR 1.3/a : B 225/14/968  
14226 Changes in time and savings deposits, Jan.-Apr. 1969; [by Caroline H. Cagle]. [1969.] p. 581-590, ll. 4° [Reprinted from Federal reserve bulletin, July 1969.] ↑ FR 1.3/a : D 441/11/969  
14227 Education and economic advancement of minority groups in United States, remarks by Andrew F. Brimmer, Member, Board of Governors of Federal Reserve System, before annual convention of Phi Epsilon Pi Fraternity, Miami Beach, Fla., Aug. 28, 1969. [1969.] [1]+25 p. 4° ↑ FR 1.23 : B 77/47  
14228 Errata to Truth in lending interpretations of regulation Z. [1969.] 1 p. oblong 24° ↑ FR 1.2 : T 77/2/errata  
14229 Financial developments in 2d quarter of 1969. [1969.] p. 633-641, ll. 4° [Reprinted from Federal reserve bulletin, Aug. 1969.] ↑ FR 1.3/a : F 49/13

Regulation (series). ↑ FR 1.6 : (letters)  
14230 D. Reserves of member banks, amendment, effective Sept. 4, 1969. [1969.] 1 p.  
14231 D. [Reserves of member banks], sec. 204.5, supplement, effective Sept. 4, 1969. [1969.] [2] p.  
14232 M. Foreign activities of national banks, amendment, effective Sept. 4, 1969. [1969.] [2] p.  
14233 Z. Truth in lending, amendment, effective Aug. 11, 1969. [1969.] [2] p. 4°

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14234 Revision of weekly series for commercial banks. [1969.] [1]+641-646 p. 4°  
[Reprinted from Federal reserve bulletin, Aug. 1969.] ↑  
FR 1.3/a : B 225/22

**FEDERAL SUPPLY SERVICE, General Services Administration**  
Washington, DC 20405

14235 Federal specifications. • Item 563.

GS 2.8:

NOTE.—These specifications are completely covered by the index of Federal specifications and standards. Individual specifications are not listed in the Monthly Catalog.

Index of Federal specifications and standards, January 1, 1969, with cumulative supplements as issued (GS 2.8/2 : 969) is sold by the Superintendent of Documents on a subscription basis at \$3.00 a yr.; 75c. additional for foreign mailing.

Federal standards. Issued with perforations. • Item 563

GS 2.8/3:(nos.)

NOTE.—Federal standards may be purchased from the General Services Administration, Specifications Activity, Special Programs Division, Building 197, Naval Weapons Plant, Washington, DC 20407.

All checks and money orders should be made payable to the Treasurer of the United States. Single copies are available without charge at the nearest GSA regional office.

14236 268B. Steppladders, May 16, 1969. [1969.] 4 p. 4° (FSC 5440.) [RR-S-00720 and LLL-S-710, issues in effect. Supersedes Fed. Std. 208a, Jan. 23, 1968.] ↑ Paper, 10c.

14237 293. Tape, pressure sensitive adhesive, May 8, 1969. [1969.] 4 p. 4° (FSC 5030.) ↑ Paper, 10c.

**FEDERAL TRADE COMMISSION**  
Washington, DC 20580

Consumer bulletin.

14238 2. Unordered merchandise, shipper's obligations and consumer's rights. [1969.] [3] p. • Paper, 10c. • Item 533-A

FT 1.3/2:2

**FEDERAL WATER POLLUTION CONTROL ADMINISTRATION,**  
Interior Dept., Washington, DC 20242

14239 Clean water for nation's estuaries, proceedings, public meeting on water quality management for estuaries, San Francisco, Calif., Feb. 18-19, 1969. [1969.] v. 1, cover title, [1]+vi+320 p.+[2] leaves, il. 4° (Pacific Southwest Region, San Francisco, Calif.) ↑  
L.C. card 70-603692

I 67.2 : Es 8/3/969/v.1

14240 Conference [on] pollution of interstate waters of Lake Champlain and its tributary basin, New York, Vermont, proceedings, Nov. 13, Burlington, Vt., Dec. 19-20, 1969, Boston, Mass. [with bibliography]. [1969.] cover title, 416 p. il. 4° ↑ • Item 473-A-1  
L.C. card 75-603444

I 67.2 : C 35

14241 Conference [on] pollution of Lake Michigan and its tributary basin, Illinois, Indiana, Michigan, and Wisconsin, 2d session, Feb. 25, 1969, Chicago, Ill., proceedings. [1969.] ↑ • Item 487-A-1  
L.C. card 73-603457  
v. 1. cover title, [8]+2-364 p. il. 4°  
v. 2. cover title, [1]+365-968 p. il. 4°

I 67.2 : M 58/6/969/v.1-2

14242 Current list of water publications, Robert A. Taft Sanitary Engineering Center, 1965-68. [1969.] [1]+21 p. 4° [Up to date as of Dec. 13, 1968.] ↑ Office of Information, Ohio Basin Region, Federal Water Pollution Control Administration, Cincinnati, OH 45226 I 67.14 : W 29/2/965-968

14243 General background on mineral pollution problem in Colorado River Basin. Jan. 1968. cover title, [3]+31 leaves il. 4° (Southwest Region, San Francisco, Calif.; Colorado River Basin Water Quality Control Project, Denver, Colo.) ↑  
I 67.2 : C 71/2

14244 Report of Water Quality Sub-Task Force on Project Potomac. [Feb. 1, 1967.] [7]+57 p. 4° ↑  
L.C. card 71-603435

I 67.2 : P 84/2

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

Robert A. Taft Water Research Center: Report TWRC-(series).

14245 1. Dilute solution reactions of nitrate ion as applied to water reclamation [with list of references]; by Frank C. Gunderloy, Jr. [and others]. Oct, 1968. vi+67 p. 4° ([Advanced Waste Treatment Laboratory-1.]) [Report is submitted in fulfillment of contract 14-12-52 by Rockwell Corporation.] ↑ Office of Information, Ohio Basin Region, Federal Water Pollution Control Administration, 4676 Columbia Parkway, Cincinnati, OH 45226 I 67.19 : 1

### FLIGHT STANDARDS SERVICE, Transportation Dept. Washington, DC 20553

14246 General aviation inspection aids, summary, Aug. 1969. [1969.] cover title, vi+138 p. il. 4° ([Advisory circular] AC 20-7F.) [Text and another illustration on p. 2-4 of cover. Issued with perforations.] \* Paper, \$3.00 (including basic manual and 11 monthly supplements); 75c. additional for foreign mailing. • Item 431-C-6 TD 4.409: 969

### FOOD AND DRUG ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

14247 Selected technical publications, July-Dec. 1968, Food and Drug Administration, [no. 8; with bibliographies]. [1969.] cover title, vi+503 p. il. 4° ↑ • Item 475 FS 13.102: T 22/no.8

### FOREST SERVICE, Agriculture Dept. Washington, DC 20250

14248 Animal damage control. [1969.] [2] p. il. 4° (Pacific Northwest Forest and Range Experiment Station, Forestry Sciences Laboratory, Olympia, Wash.) ↑ A 13.66/2: An 5

14249 Annual report of research at Forest Products Laboratory FPL '68. [1969.] cover title, iv+36 p. il. 4° [Includes list of FPL publications issued in 1968.] ↑ L.C. card 67-60181 A 13.27/1: 968

14250 Big-game habitat. [1969.] [2] p. il. 4° (Pacific Northwest Forest and Range Experiment Station, Range and Wildlife Habitat Laboratory, LaGrande, Oreg.) ↑ A 13.66/2: B 48

14251 Bridger National Forest, [Wyo.]. [1968.] 1 sheet (with map on verso) il. oblong 4° folded in narrow 8° size. (Intermountain Region, Ogden, Utah.) ↑ A 13.13: B 76

14252 Camping & picnicking in Eldorado National Forest. 1960. [3]+23+[2] p. il. (California [region].) ↑ A 13.2: E1 2/969

14253 Camping & picnicking in Tahoe National Forest. [1969.] [2]+22 p. il. (California [region].) ↑ A 13.2: T 13

14254 Christmas tree directory, Oregon and Washington growers, wholesalers and retailers, 1969. [1969.] cover title, [1]+32 p. il. 4° (Pacific Northwest Region.) [Text on p. 2 and page 32 on p. 3 of cover.] ↑ A 13.2: C 46/2/969

14255 Cle Elum trail trips on Cle Elum ranger district, Wenatchee National Forest. [1969.] cover title, [1]+11 p. il. (Pacific Northwest Region.) [Text on p. 3 of cover.] ↑ A 13.13: C 58/2

14256 Conservation in your life, services to educators. [1968.] cover title, [8] p. il. oblong 24° (California [Region].) [Text on p. 2-4 of cover.] ↑ A 13.2: C 76/16

14257 Discussion of grazing management systems and some pertinent literature (abstracts & excerpts) 1895-1966; [compiled by] Wayne C. Hickey, Jr. Denver, Colo., [1969.] [370] p. il. 4° ↑ L.C. card 70-603535 A 13.2: G 79/13/895-966

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14258 Dividends from wood research, recent publications of Forest Products Laboratory, Jan. 1-June 30, 1969. [1969.] cover title, 12 p. ll. narrow 8° † A 13.27/7: W 85/15/969

[Equipment development & test report] ED&T (series). † A 13.49/4:(nos.)

14259 923. Equip tips: Bracket for light helicopter cargo hooks. July 1969. 2 p. ll. 4° (Equipment Development Center, San Dimas, Calif.)

14260 1423. Equip tips: Faucets for recreation sites. Feb. 1969. 4 p. ll. 4° (San Dimas Equipment Development Center.) [Issued with perforations.]

14261 1701. Equip tips: Air-to-ground warning device. July 1969. 3 p. ll. 4° (Equipment Development Center, San Dimas, Calif.)

14262 Flaming Gorge National Recreation area. [1969.] 1 sheet (with map on verso) ll. oblong 1° folded into narrow large 8° size. (Ashley National Forest.) [Prepared in cooperation with Reclamation Bureau, Interior Dept. Map and illustrations are colored.] † A 13.13: F 61/3

Forest pest leaflet.

14263 44. Brown-spot needle blight of longleaf pine [with list of references]; by Paul C. Lightle. Apr. 1960, slightly revised July 1969. [1969.] 7 p. ll. † ● Item 82-A A 13.52: 44/2

14264 Grazing values on undisturbed chaparral versus areas converted to grass, Tonto Springs Range; by Floyd W. Pond. [1969.] [2]+14 p. ll. oblong 24° (Rocky Mountain Forest and Range Experiment Station.) † A 13.69/2: G 79

14265 Guide to forest of ancient bristlecone pines, Inyo National Forest, Calif. 1969. 1 sheet (map on verso) 1°, folded into narrow 8° size. † A 13.13: In 8/969

14266 1968 Hemlock looper project, Mt. Baker National Forest, Wash. [with bibliography]; by Jack Mounts, Leon F. Pettinger, John Wortendyke. June 1969. [3]+23 p. ll. 4. (Insect and Disease Control Branch, Division of Timber Management, Pacific Northwest Region.) † A 13.2: H 37/968

14267 Intensive culture of Douglas fir. [1969.] [2] p. ll. 4° (Pacific Northwest Forest and Range Experiment Station, Forestry Sciences Laboratory, Olympia, Wash.) † A 13.66/2: D 74/3

14268 Kanikou National Forest, Priest Lake recreation area. [1969.] 1 sheet (with map on verso.) ll. 1° folded into 8° size. † A 13.13: P 93

14269 Management direction, wilderness and primary recreation zones of National Forests in Oregon Cascades. [1969.] [1]+iii+42 p. ll. 1 map in pocket, 4° (Pacific Northwest Region.) [Map is colored.] † A 13.2: M 31/7

14270 Map of vehicle control area and rules for vehicle use in this area of Eldorado National Forest. May 1, 1969. 1 sheet, (with map on verso), ll. 1°, folded into 4° size. † A 13.13: El 8/4

14271 Mt. St. Helens-Spirit Lake, Gifford Pinchot National Forest. [1969.] [2] p. ll. oblong 1°, folded into narrow 8° size. ([Pacific Northwest Region.]) [One illustration is colored.] † A 13.13: M 86 sa

14272 National forests in Colorado. [1969.] [24] p. ll. (Rocky Mountain Region.) † A 13.2: C 71/3

14273 National forests in profile, 1968 yearbook, Intermountain Region, Forest Service, Department of Agriculture, Ogden, Utah. [1969.] cover title, [24] p. ll. 4. † L.C. card 63-60296 A 13.57: 968

14274 National forests in Wyoming. [1969.] [20] p. ll. (Rocky Mountain & Intermountain Regions.) † A 13.2: W 90

14275 Ochoco National Forest and Crooked River National Grassland. [1969.] [2] p. ll. oblong 1° folded into narrow 8° size. ([Pacific Northwest Region.]) [Some illustrations are colored.] † A 13.13: Oc 3/2/969

14276 Olympic National Forest, 1968. [Olympia, Wash., 1969.] cover title, [16] p. ll. 4° [Text on p. 2-4 of cover.] † A 13.13/2: Ol 9/968

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14277 Public campgrounds on San Bernardino National Forest, general information. Apr. 1, 1969. [8] p. 4° † A 13.2: Sa 5 b

14278 Range ecology and management. [1969.] [2] p. il. 4° (Pacific Northwest Forest and Range Experiment Station, Range and Wildlife Habitat Laboratory, LaGrande, Oreg.) † A 13.66/2: R 16

14279 Range environmental management. [Revised Feb. 1969.] [1969.] [2] p. il. 4° (Pacific Northwest Forest and Range Experiment Station, Range and Wildlife Habitat Laboratory, LaGrande, Oreg.) † A 13.66/2: R 16/2

14280 Recreation map, Palisades Reservoir, Caribou Targhee Bridger National Forests. [1967.] 1 sheet (map on verso) il. oblong f° folded into narrow 8° size. † A 13.13: P 17

Research note RM-(series). (Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.) † A 13.79: RM-(nos.)

14281 RM-138. Aspen grove use by deer, elk, and cattle in southwestern coniferous forests; [by] Hudson G. Reynolds. 1969. 4 p. il. 4°

14282 RM-139. Deer and elk use of Ponderosa pine forest in Arizona before and after timber harvest [with list of literature cited; by] David R. Patton. 1969. 7 p. il. 4°

14283 RM-140. Selective control of brush on chaparral watersheds with soil-applied fenuron and picloram [with list of literature cited; by] Edwin A. Davis and Charles P. Pase. 1969. 4 p. 4°

14284 RM-141. Response of deer to alternate-strip clearcutting of lodgepole pine and spruce-fir timber in Colorado; [by] O. C. Wallmo. 1969. 4 p. il. 4°

14285 RM-142. Assimilation chamber for outdoor measurements of photosynthesis of tree seedlings; [by] Frank Ronco. 1969. 4 p. il. 4°

14286 RM-143. Assimilation chamber for measuring carbon dioxide exchange of tree seedlings in laboratory; [by] Frank Ronco. 1969. 7 p. il. 4°

14287 RM-144. Estimating defoliation of Douglas-fir and white fir by western budworm; [by] M. E. McKnight. 1969. 3 p. il. 4°

14288 RM-145. In vitro digestibility of alpine grasses in Wyoming [with list of literature cited; by] Dixie R. Smith. 1969. 3 p. 4°

Research paper RM-(series). (Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colo.) † A 13.78: RM-(nos.)

14289 RM-47. Major insect pests in North Dakota shelterbelts, abundance and distribution by climate and host age [with list of literature cited]; by Patrick C. Kennedy and Louis F. Wilson. 1969. [2]+12+[1] p. il. 4°

14290 RM-48. Classification outline for snow on ground [with list of recommended reading]; by R. A. Sommerfeld. 1969. [8]+24 p. [2] leaves

14291 RM-49. Here's how, guide to tree planting in Southwest; [by] Gilbert H. Schubert, Robert W. Pearl, and L. J. Heldmann. [1969.] cover title, [14] p. il. [Text on p. 2-3 of cover.]

14292 Snoqualmie National Forest, 1968 letter to stockholders. [1969.] cover title, 24 p. il. 4° [Text on p. 2 and 3 of cover.] † A 13.13/2: Sn 5/968

14293 Starting a community forest, Revised 1968. [1969.] 4 p. 4° † A 13.2: C 73/13

14294 Suggestions for integrating forestry in modern curriculum. [Revised Sept. 1968.] [1969.] [4] p. 4° (FS-62; Conservation teaching aid.) † A 13.72: C 93

14295 Surveillance report, 1965 Burns Project, Douglas-fir tussock moth control [Malheur and Ochoco National Forests]; by Glenn L. Crouch and Randall F. Perkins. Aug. 1968. [8]+20 p. il. 4° (Insect and Disease Control Branch, Division of Timber Management, Pacific Northwest Region.) † A 13.2: D 74/3/965

14296 Thinning program for Malheur National Forest, proposed pre-commercial thinning program with discussion of costs and benefits [with bibliography; by] Randall F. Perkins, Ernest B. Wright, Jr. Nov. 1967. [1]+11+18 p. il. 4° (Pacific Northwest Region.) [Page 13 on p. 3 of cover.] † A 13.2: T 34/3

14297 Wheeler Peak scenic area, Humboldt National Forest. [1968.] 1 sheet (with map on verso) il. oblong f° folded into narrow large 8° size. (Intermountain Region, Ogden, Utah.) † A 13.13: W 56

14298 1968 wildfire statistics [calendar year 1968]; prepared by Division of Cooperative Forest Fire Control. [1969.] vi+48 p. il. 4° † L.C. card 78-603757 A 13.32/2: 968

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14299 Willamette 1968, national forest and national wilderness preservation system, annual public report of Willamette National Forest; [by Samuel T. Frear]. [1969.] cover title, 24 p. ll. 4° [Text, other illustrations, and a map on p. 1-4 of cover.] ↑ A 13.13/2: W 66/968

14300 The year 1968 on Mendocino National Forest. [1969.] cover title [16] p. ll. 4° (California Region.) [Text on p. 2-4 of cover.] ↑ A 13.13/2: M 52/968

GENERAL ACCOUNTING OFFICE  
Washington, DC 20548

14301 Annual report of Comptroller General of United States, fiscal year 1968. 1968. xi+383 p. ll. [Also issued as H. doc. 14, 91st Congress, 1st session. Document notation appears on title page in error.] \* Paper, \$1.75.  
● Item 543  
L.C. card 22-27353 GA 1.1: 968

14302 GAO manual for guidance of Federal agencies [titles 1-9]. [Issued in looseleaf form.] \* Paper, \$20.00 (including basic manual and supplementary service); \$5.00 additional for foreign mailing.  
title 6. Pay, leave, and allowances, transmittal sheet 6-26; May 15, 1969. [1969.] 1 p. GA 1.6/10: 957/trans.6-26

14303 List of GAO publications, v. 3, no. 1. July 1969. [1969.] cover title, 35 p. [Text on 2 p. of cover.] ↑ GA 1.16/2: 3/1

14304 Report to Congress: Administration and effectiveness of Economic Opportunity Loan Program for low-income rural families under Farmers Home Administration, Department of Agriculture; by Comptroller General of United States. Aug. 21, 1969. cover title, [8]+78 p. 4° (B-130515.) ↑ Paper, \$1.00.  
L.C. card 70-603421 GA 1.13: Ad 6/5

14305 —— Agency for International Development loan program financial activities, status as of June 30, 1968; by Comptroller General of the United States. Sept. 11, 1969. cover title, [8]+68 p. ll. 4° (B-133220.) ↑ Paper, \$1.00.  
L.C. card 73-603623 GA 1.13: In 8/9

14306 —— Cessation of unauthorized payments of proficiency pay and variable reenlistment bonuses to candidates in officer training programs, Department of Defense; by Comptroller General of United States. Aug. 6, 1969. cover title, [6]+27 p. 4° (B-160096.) ↑ Paper, \$1.00.  
L.C. card 73-603422 GA 1.13: P 29/23

14307 —— Effectiveness and administration of Community Action Program under title 2 of Economic opportunity act of 1964, Human Development Corporation, St. Louis City and St. Louis County, Mo., Office of Economic Opportunity; by Comptroller General of United States. Aug. 11, 1969. cover title, [10]+130 p. 4° (B-130515.) ↑ Paper, \$1.00.  
L.C. card 77-603423 GA 1.13: Sa 2 1/2

14308 —— Effectiveness and administration of Community Action Program under title 2 of Economic opportunity act of 1964, Lake County, Inc., Office of Economic Opportunity; by Comptroller General of United States. Aug. 1, 1969. cover title, [9]+96 p. 4° (B-130515.) ↑ Paper, \$1.00.  
L.S. card 70-603054 GA 1.13: L 14

14309 —— Effectiveness and administration of migrant and seasonal farmworkers program under title 3-B of Economic opportunity act of 1964, Phoenix, Ariz., Office of Economic Opportunity; by Comptroller General of United States. Aug. 26, 1969. cover title, [9]+76 p. 4° (B-130515.) ↑ Paper, \$1.00.  
L.C. card 70-603424 GA 1.13: P 56/7

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14310 Report to Congress: Effectiveness and administrative efficiency of Neighborhood Youth Corps program under title IB of Economic opportunity act of 1964, Gary, Ind., Department of Labor; by Comptroller General of United States. Sept. 5, 1969. cover title, [10]+100 p. 4° (B-130515.) † Paper, \$1.00.  
L.C. card 74-603425 GA 1.13 : G 19

14311 — Effectiveness and administrative efficiency of Neighborhood Youth Corps program under title IB of Economic opportunity act of 1964, Gila River Indian Reservation and Pinal County, Ariz., Department of Labor; by Comptroller General of United States. Sept. 4, 1969. cover title, [10]+90 p. 4° (B-130515.) † Paper, \$1.00.  
L.C. card 78-603426 GA 1.13 : G 37/3

14312 — Effectiveness and administrative efficiency of Neighborhood Youth Corps program under title IB of Economic opportunity act of 1964, Kansas City, Mo., Department of Labor; by Comptroller General of United States. Sept. 5, 1969. cover title, [9]+80 p. 4° (B-130515.) † Paper, \$1.00.  
L.C. card 74-603547 GA 1.13 : K 13/2

14313 — Effectiveness and administrative efficiency of Neighborhood Youth Corps program under title IB of Economic opportunity act of 1964, Maricopa County, with emphasis on Phoenix, Ariz., Department of Labor; by Comptroller General of United States. Sept. 11, 1969. cover title, [9]+85 p. 4° (B-130515.) † Paper, \$1.00.  
L.C. card 78-603556 GA 1.13 : M 33/2

14314 — Effectiveness in meeting supply requirements of overseas U.S. agencies, General Services Administration; by Comptroller General of United States. Aug. 15, 1969. cover title, [7]+52 p. 4° (B-114807.) † Paper, \$1.00.  
L.C. card 71-603427 GA 1.13 : Su 7/25

14315 — Enforcement of sanitary, facility, and moisture requirements at federally inspected poultry plants, Consumer and Marketing Service, Department of Agriculture; by Comptroller General of United States. Sept. 10, 1969. cover title, [7]+35 p. 4° (B-163450.) † Paper, \$1.00.  
L.C. card 75-603428 GA 1.13 : Sa 5

14316 — Examination of financial statements of Federal Home Loan Bank Board for year ended Dec. 31, 1968; by Comptroller General of United States. Sept. 5, 1969. cover title, [5]+23 p. 4° (B-114827.) † Paper, \$1.00.  
L.C. card 66-62274 GA 1.13 : F 31/19/968

14317 — Examination of financial statements of Federal Home Loan Bank, supervised by Federal Home Loan Bank Board for year ended Dec. 31, 1968; by Comptroller General of United States. Aug. 17, 1969. cover title, 3 leaves+16 p. 4° (B-114827.) † Paper, \$1.00.  
L.C. card 66-62274 GA 1.13 : F 31/18/968

14318 — Examination of financial statements Federal Housing Administration fiscal year 1968, Department of Housing and Urban Development; by Comptroller General of United States. Sept. 9, 1969. cover title, [6]+39 p. 4° (B-114860.) † Paper, \$1.00.  
L.C. card 66-60882 GA 1.13 : F 31/17/968

14319 — Improvements made in medical care cost accounting system of Veterans Administration; by Comptroller General of United States. Aug. 5, 1969. cover title, [6]+24 p. 4° (B-61930.) † Paper, \$1.00.  
L.C. card 72-603446 GA 1.13 : M 46/12

14320 — Management of suggestion award portion of incentive awards program, Department of Army; by Comptroller General of United States. Aug. 27, 1969. cover title, [8]+35 p. 4° (B-166802.) † Paper, \$1.00.  
L.C. card 79-603429 GA 1.13 : Su 3

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14821 — Opportunities for increased savings by improving management of value engineering (design or manufacture simplification) performed by contractors, Department of Defense; by Comptroller General of United States. Aug. 25, 1969. cover title, [6]+47 p. il. 4° (B-165757.) † Paper, \$1.00.  
L.C. card 76-603447 GA 1.13: V 24/3

14822 — Opportunity for geological survey to increase revenues through changes in its map-pricing practices. Department of Interior, Bureau of Budget; by Comptroller General of United States. Sept. 3, 1969. cover title, [5]+23 p. 4° (B-118678.) † Paper, \$1.00.  
L.C. card 70-603448 GA 1.13: G 29/3

14823 — Overseas dependents school system in European area, Department of Defense; by Comptroller General of United States. Sept. 4, 1969. cover title, [6]+46 p. 4° (B-131587.) † Paper, \$1.00.  
L.C. card 78-603449 GA 1.13: Sch 6/4

14824 — Potential for savings by reduction of aircraft engine procurement, Department of Navy, Department of Air Force; by Comptroller General of United States. Sept. 9, 1969. cover title, [5]+30 p. il. 4° (B-132989.) † Paper, \$1.00.  
L.C. card 78-603450 GA 1.13: En 3/13

GENERAL SERVICES ADMINISTRATION  
Washington, DC 20405

14825 Guide to specifications and standards of Federal Government. [1969.] cover title, iii+24 p. il. †  
L.C. card 67-60671 GS 1.6/6: Sp 3/969

GEOGRAPHIC NAMES BOARD, Interior Dept.  
Washington, DC 20240

Gazeteers. I 33.8:(nos.)

14826 108. Spanish Sahara, official standard names approved by Board on Geographic Names; prepared by Geographic Names Division, Army Topographic Command. June 1969. [2]-v+52 p. il. oblong 8° † Army Topographic Command, 6500 Brooks Lane, Washington, DC 20315, Attn.: Geographic Names Division, 13600. ● Item 617  
L.C. card 77-803458

14827 109. Mozambique, official standard names approved by Board on Geographic Names; prepared by Geographic Names Division, U.S. Topographic Command. June 1969. [2]-iv+505 p. il. oblong 8° † Army Topographic Command, 6500 Brooks Lane, Washington, DC 20315, Attn.: Geographic Names Division, 13600  
L.C. card 75-603590

GEOLOGICAL SURVEY, Interior Dept.  
Washington, DC 20242

Bulletins. ● Item 620 I 19.3:(nos.)

14828 1261-E. Mineral resources of Blue Range primitive area, Greenlee County, Ariz. and Catron County, N.M. [with list of references cited], by James C. Ratté [and others]; with section on Aeromagnetic interpretation, by Gordon P. Eaton. 1969. vi+91 p. il. 2 pl. in pocket. [Evaluation of mineral potential of area. Studies related to wilderness-primitive areas.] \* Paper, \$1.00.

14829 1261-F. Mineral resources of San Juan primitive area, Colo. [with list of references cited], by T. A. Steven [and others]; with section on Iron resources in Irving Formation, by Jacob E. Gair and Harry Klemic. 1969. viii+187 p. il. 2 pl. in pocket. [Evaluation of mineral potential of area. Studies related to wilderness, primitive areas.] \* Paper, \$1.75.  
L.C. card 77-603490

14830 1262. General and engineering geology of northern part of Pueblo, Colo. [with list of references cited]; by Glenn R. Scott. 1969. vi+131 p. il. 2 pl. 1 is in pocket. [Description of geology of bedrock and surficial deposits in and near Pueblo, Colo. Engineering behavior of rocks is summarized at end of report.] \* Paper, \$1.75.  
L.C. card 77-603490

14831 1271-C. Geology of Bear Peak area, Dona Ana County, N. Mex. [with selected bibliography]; by George O. Bachman and Donald A. Myers. 1969. iv+46 p. il. 1 pl. in pocket. [Study of southern part of San Andres Mountains, with emphasis on Paleozoic stratigraphy. Contributions to general geology.] Plate is colored. \* Paper, \$1.00.

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**Bulletins—Continued**

14332 1272-F. Gold investigations in Precambrian clastic and pelitic rocks, southwestern Colorado and northern New Mexico [with list of references cited]; by Fred Barker. 1969. iii+22+[3] p. ll. [Contributions to economic geology. Includes title page and table of contents to Bulletin 1272.] \* Paper, 25c.

14333 1279. Use of seismic intensity data to predict effect of earthquakes and underground nuclear explosions in various geologic settings [with list of references cited]; by Patrick J. Barosh. 1969. v+98 p. ll. [Prepared on behalf of Atomic Energy Commission. Summary of various factors that determine effects of seismic disturbance at particular location and their utilization in predicting these effects.] \* Paper, 45c.

14334 1292. Geologic story of Mount Rainier, a look at the geologic past of one of America's most scenic volcanoes [with list of publications for further reading in geology]; by Dwight R. Crandell. vi+48 p. ll. [Some illustrations are colored.] \* Paper, 65c.

14335 1312-G. Lead isotope guides for Mississippi Valley lead-zinc exploration [with list of references cited]; by Ralph S. Cannon, Jr., and Arthur P. Pierce. 1969. iv+20 p. ll. [Review of correlations of isotopic compositions of ore-lead and tonnages of known ore in Mississippi Valley lead-zinc deposits. Contributions to economic geology.] \* Paper, 20c.

14336 Characteristics of streamflow in Colville River basin. Stevens County, Wash. [with list of selected references]; by Walter R. Scott. Tacoma, Wash., 1969. [1]+iii+31 p. ll. 4° (Water Resources Division.) [Prepared in cooperation with Public Utilities District no. 1 of Stevens County. Open-file report.] ‡ I 19.2: C 72/4

14337 Circular.

14337 529-B. Movement of solute in Potomac River estuary at Washington, D.C. at low inflow conditions [with list of references]; by James F. Wilson, Jr., Ernest D. Cobb, and Nobuhiro Yotsukura. 1969. iv+14 p. ll. 1 pl. in pocket 4° † • Item 620-A I 19.4/2: 529-B

14338 Compilation of hydrologic data: Calveras Creek, San Antonio River basin, Tex., 1967. [1968.] iii+47 leaves ll. 4° (Water Resources Division, [Texas District].) [Prepared in cooperation with Texas Water Development Board, San Antonio River Authority, and U.S. Soil Conservation Service.] † U.S. Geological Survey, Water Resources Division, Federal Building, 300 East 8th Street, Austin, TX 78701 I 19.58: C 12/967

14339 — Escondido Creek, San Antonio River basin, Tex., 1967. [1969.] iii+73 leaves, ll. 4° (Water Resources Division, Texas district.) [Prepared in cooperation with San Antonio River Authority, Soil Conservation Service, and Texas Water Development Board.] ‡ I 19.58: Es 1/967

14340 — Little Elm Creek, Trinity River basin, Tex., 1967. [1969.] iv+81 leaves, ll. 4° (Water Resources Division, Texas district.) [Prepared in cooperation with City of Dallas and Texas Water Development Board.] ‡ I 19.58: L 72/967

14341 Intern-training opportunities provided by U.S. Geological Survey for scientists and technicians from other countries; compiled by International Activities Committee, United States Geological Survey. [1969.] [1]+i+54 p. 4° ([Project report D.C. Investigations (IR) DC-8].) ‡ I 19.2: In 8

14342 John Wesley Powell, soldier, explorer, scientist [with list of selected references]. [1969.] 24 p. ll. † • Item 621 I 19.2: P 87/2

14343 L.C. card 71-603443

14343 Preliminary evaluation of corrosion and encrustation mechanisms in tube wells of Indus plains, west Pakistan [with list of references]; by Frank E. Clarke and Ivan Barnes. Lahore, West Pakistan, July 1964. vi+81+3 p. ll. 4° [Open file report. Prepared in cooperation with West Pakistan Water and Power Development Authority under auspices of United States Agency for International Development mission to Pakistan.] ‡ I 19.2: In 2/3

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14344 Preliminary study of water-well corrosion, Chad Basin, Nigeria [with list of references]; by Frank E. Clarke and Ivan Barnes. July 1965. iv+36+[1] p. ll. 4° [Prepared in cooperation with Geological Survey of Nigeria under auspices of Agency for International Development. Open file report.] ‡ I 19.2: N 56/3

Professional papers. • Item 624 I 19.16:(nos.)

14345 487-B. Land subsidence due to ground-water withdrawal, Tulare-Wasco area, Calif. [with list of references cited]; by B. E. Lofgren and R. L. Klausung. 1969. vii+103 p. ll. 4° [Prepared in cooperation with California Department of Water Resources. Study of land subsidence caused by water-level changes in complex aquifer systems, including analysis of stresses and appraisal of parameters for estimating subsidence. Studies of land subsidence.] \* Paper, \$1.25.

14346 542-G. Effects of earthquake of Mar. 27, 1964 on various communities [with list of references cited]; by George Plafker [and others]. [1969.] vi+50+[3] p. ll. 4° [Description of damage, principally from waves, vertical tectonic movements, and seismic vibration, to inhabited places throughout earthquake-affected part of Alaska. Alaska earthquake, Mar. 27, 1964, effects on communities. Includes title page and table of contents to Professional paper 542.] \* Paper, \$2.00.

14347 604. On batholiths and volcanoes, intrusion and eruption of late Cenozoic magmas in Glacier Peak area, North Cascades, Wash. [with list of references cited]; by R. W. Tabor and D. F. Crowder. 1969. vii+67 p. ll. 1 pl. in pocket, 4° [Description of Cloudy Pass batholith, overlying Gamma Ridge volcanic rocks, and still younger Glacier Peak volcano with discussion of source magmas, their genetic ties, and structures controlling their emplacement and eruption. Plate is colored.] \* Paper, \$1.75. L.C. card 78-608548

14348 611. Foraminifera and stratigraphy of upper part of Pierre shale and lower part of Fox Hills sandstone (Cretaceous), north-central South Dakota [with list of references cited]; by James F. Mello. 1969. iv+121+[2] p. ll. 11 pl. 4° [Description, illustration, and interpretation of Late Cretaceous foraminiferal faunas of parts of Pierre shale and Fox Hills sandstone, and discussion of stratigraphy of these lithologic units.] \* Paper, \$2.25. L.C. card 75-608460

14349 616. Geology of Empire quadrangle, Grand, Gilpin, and Clear Creek Counties, Colo. [with list of references]; by William A. Bradnock. 1969. iv+56 p. ll. 3 pl. in pocket, 4° [One plate is colored.] \* Paper, \$1.75. L.C. card 78-650226

14350 625-A. Distribution of gold and other metals in Cripple Creek district, Colo. [with list of references cited]; by Garland B. Gott [and others]. 1969. 17 p. ll. 4° 2 pl. in pocket [Northwest-trending geochemical anomalies in surface rocks of Cripple Creek district are favorable areas for exploration for large low-grade gold deposits. Shorter contributions to economic geology.] \* Paper, \$1.00.

14351 634. Diagenesis of tuffs in Barstow Formation, Mud Hills, San Bernardino County, Calif. [with list of references]; by Richard A. Sheppard and Arthur J. Gude. 3d. 1969. iv+35 p. ll. 4° [Physical properties, chemistry, and origin of silicate minerals formed in silicic tuffs of lacustrine deposit.] \* Paper, 50c. L.C. card 79-650237

14352 650-C. Geological Survey research 1969, chap. C [papers, with lists of references]. 1969. v+247 p. ll. 4° [Scientific notes and summaries of investigations in geology, hydrology, and related fields.] \* Paper, \$3.00. L.C. card 68-46150

14353 680-D. Electrical resistivity measurements, Midway and Kure Atolls [with list of references cited]; by George V. Keller. 1969. iii+8 p. ll. 4° [Electrical resistivity measurements are used to estimate porosity of reef sediments at various depths. Geology of Midway area, Hawaiian Islands.] \* Paper, 25c.

14354 Quality of shallow ground water in Rincon and Mesilla Valleys, N. Mex. and Tex.; J. A. Basler and L. J. Alary. Aug. 1968. 30 leaves ll. 4° [Prepared in cooperation with New Mexico State Engineer.] ‡ I 19.2: R 47

14355 Records of observation wells and water-level fluctuations in Aberdeen-Springfield area, Bingham and Power Counties, Idaho, in 1966; by H. G. Sisco and R. L. Whitehead. Boise, Idaho, June 1967. iii+27+16 leaves, ll. 4° (Water Resources Division.) [Open-file report. Prepared in cooperation with Idaho Department of Reclamation and Water District 36. Includes list of other reports in this series.] ‡ I 19.2: W 46/7/966

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14356 References for well data and water levels in California by Geological Survey [with list of References for well data and water levels]; compiled by J. S. Bader. Menlo Park, Calif., Feb. 12, 1969. 13 p. il. 4° (Water Resources Division.) [Basic-data compilation. Prepared in cooperation with California Department of Water Resources.] † I 19.2: W 46/9

14357 Selection of metal components for long-term development of Egypt's corrosive ground waters [with list of references]; by Frank E. Clarke. July 1964. iv-+39 p. il. 4° [Prepared in cooperation with Egyptian General Desert Organization under auspices of Agency for International Development, Mission to United Arab Republic. Open file report.] † I 19.2: Eg 9

14358 Some hydrologic effects of Canal 111 near Homestead, Fla. [with list of references]; by Harry H. Barnes, Jr., Frederick W. Meyer, and James H. Hartwell. Tallahassee, Fla., 1968. cover title, 17 leaves, il. 4° [Prepared by United States Geological Survey in cooperation with National Park Service and Corps of Engineers.] † I 19.2: H 75

14359 Test wells in Post Area, White Sands Missile Range, Dona Ana County, N. Mex. [with list of references cited]; by Gene C. Doty. June 1968. 50 leaves, il. 16 pl. in pocket, 4° (Water Resources Division.) [Prepared in cooperation with U.S. Army, White Sands Missile Range, N. Mex. Open-file report.] † I 19.2: W 58/2

14360 U.S. Geological Survey tracer study, Amargosa Desert, Nye County, Nev.: pt. 1, Exploratory drilling, tracer well construction and testing, and preliminary findings [with list of references]; by Richard H. Johnston. 1968. [1]+iv-+64 p. il. 4° [Prepared in cooperation with Atomic Energy Commission. Open-file report.] † I 19.2: Am 1/2/pt.1

14361 Utah basic-data release no. 16, Selected hydrologic data, Southern Utah and Goshen Valleys, Utah; by R. M. Cordova. 1969. iii-+35 p. il. 1 pl. in pocket 4° [Prepared in cooperation with Utah Department of Natural Resources, Division of Water Rights, Salt Lake City, Utah. Text on p. 2 of cover.] † I 19.2: Ut 1/no.16

14362 Water resources data for Florida, 1966: pt. 1, Surface water records, v. 2, Streams-southern Florida, Lake Okeechobee and Everglades. [1968.] cover title, viii-+226 p. il. 4° ([Water Resources Division.]) [Prepared in cooperation with State of Florida and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, P.O. Box 2315, Tallahassee, FL 32304  
L.C. card 67-65945 I 19.53/2: F 66/966/pt.1/v.2

14363 Water resources data for Florida, 1967: pt. 1, Surface water records, v. 1, streams, northern and central Florida. [1968.] xi-+299 p. il. 4° [Prepared in cooperation with State of Florida and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, P.O. Box 2315, Tallahassee, FL 32304  
L.C. card 67-65945 I 19.53/2: F 66/967/pt.1/v.1

14364 Water resources data for Florida, 1967: pt. 1, Surface water records, v. 3, Lakes. [1968.] cover title, ix-+144 p. il. 4° ([Water Resources Division.]) [Prepared in cooperation with State of Florida and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, P.O. Box 2315, Tallahassee, FL 32304  
L.C. card 67-65945 I 19.53/2: F 66/967/pt.1/v.3

14365 Water resources data for Florida, 1967: pt. 2, Water quality records. [1968.] vii-+313 p. il. 4° [Prepared in cooperation with State of Florida and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, P.O. Box 2315, Tallahassee, FL 32304  
L.C. card 67-65945 I 19.53/2: F 66/967/pt.2

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14366 Water resources data for Montana, 1968: pt. 1, Surface water records. [1968.] cover title, ix+271 p. ll. 1 map. 4° ([Water Resources Division.]) [Prepared in cooperation with State of Montana and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, 421 Federal Building, Helena, MT 59601  
L.C. card 68-60744 I 19.53/2 : M 76/968/pt.1

14367 Water resources data for Nebraska, 1968: pt. 1, Surface water records. [1968] x+224 p. 2 maps 4° (Water Resources Division.) [Prepared in cooperation with Nebraska Department of Water Resources and with other State and Federal agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, Room 127 Nebraska Hall, 801 North 17th Street, Lincoln, NB 68508  
L.C. card 68-60775 I 19.53/2 : N 27/968/pt.1

14368 Water resources data for New Jersey, 1968: pt. 1, Surface water records. [1968.] x+143 p. ll. 4° (Water Resources Division.) [Prepared in cooperation with State of New Jersey and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, 420 Federal Building, P.O. Box 1238, Trenton, NJ 08607  
L.C. card 70-603649 I 19.53/2 : N 42 j/968/pt.1

14369 Water resources data for New Mexico, 1968: pt. 1, Surface water records. [1968.] cover title, ix+271 p. ll. 4° ([Water Resources Division.]) [Prepared in cooperation with State of New Mexico and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, P. O. Box 4369, Albuquerque, NM 87106  
L.C. card 68-60776 I 19.53/2 : N 42 m/968/pt.1

14370 Water resources data for North Dakota, 1968: pt. 1, Surface water records. [1968.] cover title, ix+172 p. ll. 4° ([Water Resources Division.]) [Prepared in cooperation with State of North Dakota and with other agencies.] † District Chief, Water Resources Division, U.S. Geological Survey, Room 348, Federal Building, Bismarck, ND 58501  
L.C. card 68-60777 I 19.53/2 : N 81 d/968/pt.1

Water supply papers. • Item 625 I 19.13 : (nos.)

14371 1535-O. Water load of uranium, radium, and gross beta activity at selected gaging stations, water year 1960-61 [with list of references cited]; by E. C. Mallory, Jr., J. O. Johnson, and R. C. Scott. 1969. iii+31 p. ll. 1 map in pocket. [Contribution to International Hydrological Decade. Geochemistry of water.] \* Paper, 65c.

14372 1877. Feasibility study of use of acoustic velocity meter for measurement of net outflow from Sacramento-San Joaquin delta in Calif. [with list of references cited] : by Winchell Smith. 1969. vi+54 p. ll. [Prepared in cooperation with California Department of Water Resources and Army Corps of Engineers.] \* Paper, 40c.  
L.C. card 71-650227

14373 1879-E. Variations in low-water streambed elevations at selected stream-gaging stations in northwestern California; by John J. Hickey. 1969. iii+33 p. ll. 1 pl. In pocket. [Prepared in cooperation with California Department of Water Resources. Contributions to hydrology of United States.] \* Paper, 90c.

14374 1879-H. Water quality and discharge of streams in Lehigh River basin, Pa. [with list of references]; by Edward F. McCaren and Walter B. Keighton. 1969. iv+48+[3] p. ll. [Prepared in cooperation with Commonwealth of Pennsylvania Department of Forests and Waters. Contributions to hydrology of United States. Includes title page and contents of water-supply paper 1879.] \* Paper, 35c.

14375 1019. Surface-water supply of United States, 1961-65, pt. 6, Missouri River basin, v. 4, Missouri River basin below Nebraska City, Nebr. 1969. ix+805 p. ll. 1 pl. In pocket. [Prepared in cooperation with States of Colorado, Iowa, Kansas, Missouri and Nebraska, and with other agencies.] \* Paper, \$3.75.  
L.C. card 46-40712

14376 1956. Quality of surface waters of United States, 1964: pts. 5 and 6, Hudson Bay and upper Mississippi River basins and Missouri River basin [with list of literature cited]. 1969. xi+462 p. ll. [Prepared in cooperation with States of Colorado, Illinois, Iowa, Kansas, Missouri, Minnesota, Montana, Nebraska, South Dakota, Wisconsin, and Wyoming, and with other agencies.] \* Paper, \$2.00.  
L.C. card GS 43-68

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

### Water supply papers—Continued

14377 1976. Ground-water levels in United States, 1962-66, north-central States; prepared under direction of C. L. McGuinness. 1969. v. +117 p. ll. [Prepared in cooperation with States of Iowa, Kansas, Minnesota, Nebraska, North Dakota, South Dakota, and Wisconsin, and with other agencies.] \* Paper, 55c.  
L.C. card GS 60-161

### HEALTH, EDUCATION, AND WELFARE DEPARTMENT Washington, DC 20201

14378 Bibliography on early childhood. July 30, 1969. [1]+16+[1] p. 4° (Office of Child Development, Project Head Start.) † • Item 444-B  
L.C. card 74-603693 FS 1.18: C 43

14379 Career development, selected references; compiled by Dorothy M. Jones and Laura A. Miles. [2d edition], revised Aug. 1968. 1968. cover title, [6]+34 p. 4° (Division of Career Development.) † FS 1.18: C 18/968

14380 Personnel qualifications for Medicare personnel. Dec. 1968. [1]+4 leaves +[3]+66 p. 4° † FS 1.2: M 46/7

14381 Role of public welfare in housing, report to House Committee on Ways and Means and Senate Committee on Finance. Jan. 1969. cover title, [32] p. ll. 4° † • Item 445  
L.C. card 75-603558 FS 1.2: H 81

### HOUSING AND URBAN DEVELOPMENT DEPARTMENT Washington, DC 20410

14382 Address by William B. Ross, Acting Assistant Secretary for Mortgage Credit, U.S. Department of Housing and Urban Development, and Acting Commissioner, Federal Housing Administration, before annual convention of National Association of Real Estate Brokers, Inc., St. Louis, Mo., Aug. 19, 1969. [1]+13 p. 4° † HH 1.7: R 733

14383 Address prepared for delivery by Floyd H. Hyde, Assistant Secretary for Model Cities and Governmental Relations, Department of Housing and Urban Development, [to] Texas State Governor's Conference on Model Cities Program, Austin, Tex., Aug. 28, 1969. [1]+7 p. 4° † HH 1.7: H 99/2

14384 Address prepared for delivery by Samuel J. Simmons, Assistant Secretary for Equal Opportunity, Department of Housing and Urban Development before National Association of Real Estate Brokers, St. Louis, Mo., Aug. 18, 1969. [1]+14 p. 4° † HH 1.7: S1 4

14385 Balanced programs for balanced budgets, address by Marie C. McGuire, Assistant for Problems of Elderly and Handicapped, at Michigan Nursing Home Association Convention, Detroit, Mich. June 2, 1969. [1969.] [1]+18 leaves, 4° † HH 1.7: M 17/12

#### HUD handbook.

14386 RHA 7100.1. Workable program for community improvement. Oct. 1968 [1969.] [41] p. 4° [Issued with perforations. Includes transmittal notices 1 and 2.] † • Item 582-E HH 1.6/8: RHA 7100.1/rep.

#### IP (series). • Item 582-G HH 1.27:(nos.)

14387 32. Home mortgage insurance. [June 1969.] [8]+14 [1] p. narrow 8° †  
14388 75. Dealer and contractor guide to property improvement loans. [June 1969.] [10] p. narrow 8° \* Paper, 10c.  
14389 108. Nonprofit sponsors of housing for lower income families. [June 1969.] [10] p. narrow 8° †  
14390 116. Nonmetropolitan district planning assistance. [June 1969.] [8] p. narrow 8° †  
14391 118. What is relocation all about. [June 1969.] [8] p. narrow 8° †  
14392 127. Neighborhood facilities program. [June 1969.] [7] p. narrow 8° †

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MP-(series).

14393 78. Programs of HUD, June 1969. iii+89 p. <sup>‡</sup>  
14394 92. Directory of urban transportation research and planning projects, financed by U.S. Department of Housing and Urban Development, HUD [1969.] cover title, [9]+45 p. 4<sup>o</sup> ([Office of Urban Transportation Planning and Liaison, Division of Systems Research and Development.]) \* Paper, 55c.  
● Item 582-E

14395 104. Comparison of 2 techniques for obtaining housing vacancy and turnover data. [June 1969.] cover title, [2]+22+[26] p. 4<sup>o</sup> ([Contract H-819.]) [Published in cooperation with Center for Real Estate and Urban Economics at University of California, Berkeley.] <sup>†</sup>

14396 107. Cost and time associated with new multifamily housing construction in New York City, 1969. cover title, [1]+vii+86 p. ll. 4<sup>o</sup> (Office of Urban Technology and Research.) <sup>†</sup> ● Item 582-H

14397 State laws enacted in 1968 of interest to Department of Housing and Urban Development, as reported by Commerce Clearing House and other unofficial sources. July 1969. cover title, [1]+122 p. (Office of General Counsel.) <sup>†</sup> ● Item 583 HH 1.5 : St 2/2

HH 1.28 : (nos.)

IMMIGRATION AND NATURALIZATION SERVICE, Justice Dept.  
Washington, DC 20536

14398 Supplemental index 1 to v. 12 of Administrative decisions under immigration and nationality laws of United States [for Interim decisions nos. 1901-1966 covering period Aug. 11, 1967-May 1, 1969.] [July 1, 1969.] [1]+6 p. \* Paper, 10. J 21.11/3 : 12/Ind.1

INDIAN AFFAIRS BUREAU, Interior Dept.  
Washington, DC 20240

14399 Adult vocational training, approved courses. [Nov. 30, 1968.] cover title, [2]+133 leaves, ll. oblong 8<sup>o</sup> <sup>‡</sup> I 20.2 : V 85

INTERIOR DEPARTMENT  
Washington, DC 20240

NOTE.—Requests to the Interior Department for publications should give the full title and the date of the publication. Do not include Monthly Catalog entry numbers or Superintendent of Documents classification numbers, which should be used only when ordering from the Superintendent of Documents.

14400 Decisions of Department of Interior, Jan.-Dec. 1968; edited by Vera E. Burgin, Mildred B. Harper. 1969. v. 75, lxvii+475 p. \* Cloth, \$3.50.  
● Item 602  
L.C. card 7-23651 I 1.69 : 75

14401 Guide to Department of Interior research and development contracts and grants. [1968.] 8 p. ll. 4<sup>o</sup>, folded into narrow 8<sup>o</sup> size. (Office of Science Adviser, Office of Secretary.) <sup>‡</sup> I 1.77/2 : R 31

Native American arts (series).

14402 2. Graphic arts of Alaskan Eskimo: [by Dorothy Jean Ray]. [1969.] 88 p. ll. 4<sup>o</sup> (Indian Arts and Crafts Board.) \* Paper, \$1.00. ● Item 603-E  
L.C. card 72-603663 I 1.84/4 : 2

[Saline water] research and development progress reports. (Office of Saline Water.) ● Item 604-A-1 I 1.88 : (nos.)

14403 300. Continuous counter-current ion exchange removal of calcium from sea water to prevent scaling of distillation equipment, by Chemical Separations Corp, Oak Ridge, Tenn. Nov. 1967 [errata]. [1969.] 1 p. 4<sup>o</sup> <sup>†</sup>

14404 450. Report on sea water desalination analytical procedures [with list of references]; by John B. Newton, and M. E. Atkins, Office of Saline Water, Wrightsville Beach Test Facility. May 1969. ix+[1]+133 p. ll. 4<sup>o</sup>  
\* Paper, \$1.25.

14405 452. Research on pleated dialysis; by F. B. Leitz, S. S. Alexander, and A. S. Douglas, Ionics Incorporated, Watertown, Mass. July 1969. iii+147 p. ll. 4<sup>o</sup> (Contract 14-01-0001-611.) \* Paper, \$1.25.  
L.C. card 79-603662

14406 453. Test of 10,000 GPD reverse osmosis (spiral module) pilot plant, San Diego, Calif. [with list of references]; by R. G. Sudak, Gulf General Atomic Incorporated, San Diego, Calif. [1969.] iv+39 p. ll. 4<sup>o</sup> (Contract 14-01-0001-1264.) \* Paper, 50c.

14407 454. Disposal of brine effluents from inland desalting plants, review and bibliography; [by] G. W. DePuy. July 1969. iv+211 p. ll. 4<sup>o</sup> (Contract 14-01-0001-1306, work order 3.) \* Paper, \$1.75.  
L.C. card 73-603666

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Commerce, Springfield, Va. 22151

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14408 Sea water conversion, Wrightsville Beach Test Facility, Wrightsville Beach, N.C. [1969.] [8] p. il. (Office of Saline Water.) † • Item 604-A  
I 1.87: W 93/969

14409 Transmission study 190, Steering Committee report, Feb. 1968. [1968.] cover title, [144] p. il. 4° (Reclamation Bureau, Bonneville Power Administration, Southwestern Power Administration.) † I 1.2: T 68

### INTERNAL REVENUE SERVICE, Treasury Dept. Washington, DC 20224

14410 Description of available forms relating to Alcohol, Tobacco and Firearms Division activities. May 1969. cover title, [2]+17 p. il. 4° (Publication 480 (Rev. 5-69).) \* Paper, 30c. • Item 956 T 22.2: A1 1/4/969

14411 Highlights of 1968 changes in tax law. [1968.] 4 p. 4° (Publication 553 (10-68).) \* Paper, \$2.00 per 100; single copy, 5c. T 22.44/2: 553

14412 Income tax deduction for taxes. [1968.] 7 p. 4° (Publication 546 (10-68).) \* Paper, \$6.00 per 100; single copy, 10c. T 22.44/2: 546

14413 Index-digest supplement system: Service 4, Excise taxes, supp. 1, Jan.-June 1969. [1969.] 9 p. 4° (Publication 644.) \* Paper, \$1.50 (including basic volume and supplementary material for an indefinite period); 50c additional for foreign mailing. • Item 960 T 22.25/8: 965-68/supp.1

14414 — Service 5, Alcohol, tobacco & firearms, supp. 1, Jan.-June 1969. [1969.] 8 p. 4° (Publication 645.) \* Paper, \$2.00 (including basic volume and supplementary material for an indefinite period); 50c additional for foreign mailing. • Item 960 T 22.25/9: 965-68/supp.1

14415 Information on excise taxes for 1969. [1968.] 11 p. 4° (Publication 510 (10-68).) \* Paper, \$6.00 per 100; single copy, 10c. T 22.44/2: 510

14416 Statistics of income, 1967, preliminary: Business income tax returns [with accounting periods ended mainly Dec. 1967]. [1969.] [2]+il+34 p. il. 4° (Publication 453 (7-69).) \* Paper, 35c. • Item 964 T 22.35/3: B 96/967

14417 Tax information on deduction for bad debts. [1968.] 8 p. 4° (Publication 548 (10-68).) \* Paper, \$6.00 per 100; single copy, 10c. T 22.44/2: 548

### INTERNATIONAL COMMERCE BUREAU, Commerce Dept. Washington, DC 20230

Foreign economic trends and their implications for United States, ET (series). \* Paper, \$15.00 a yr., \$6.00 additional for foreign mailing. • Item 231-I C 42.30:(nos.)

14418 69-87. Republie of Mali. Aug. 14, 1969. 8 p. 4° [Annual.]

14419 69-88. Venezuela. Aug. 22, 1969. 10 p. il. 4° [Semiannual.]

14420 69-90. New Zealand. [Aug. 22, 1969.] 15 p. il. 4° (American Embassy, Wellington.) [Semiannual.]

14421 69-91. Sierra Leone. Aug. 26, 1969. 8 p. il. 4° (American Embassy, Freetown.) [Annual.]

14422 69-92. Canada. Sept. 3, 1969. 10 p. il. 4° (American Embassy, Ottawa.) [Semiannual.]

14423 69-94. Belgium. Sept. 5, 1969. 8 p. 4° [Semiannual.]

14424 Foreign products available for production in United States under licensee agreements. Aug. 1, 1969. 13 p. 4° (USCOMM-DC.) † C 42.2: F 76/5

### INTERNATIONAL DEVELOPMENT AGENCY, State Dept. Washington, DC 20523

14425 Rural income and expenditure sample survey of Vietnam, initial report; by Robert H. Stroup. July 1967. [396] p. il. 4° (AID/fe-257.) [Some pages are issued as leaves.] † L.C. card 79-603532 S 18.2: V 67/6

14426 U.S. foreign aid and Alliance for progress, proposed fiscal year 1970 program. [1969.] [1]+77 p. [Excerpt from Agency's program presentation to Congress outlining President's foreign aid request for fy 1970. [Text and map on p. 1-3 of cover.]] † S 18.28/a: A1 55

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14427 U.S. foreign aid in Africa, proposed fiscal year 1970 program. [1969.] cover title, 52 p. [Excerpt from Agency's program presentation to Congress outlining President's foreign aid request for fy 1970. Text and map on p. 1-3 of cover.] † S 18.28/a : Af 83

14428 U.S. foreign aid in east Asia ; proposed fiscal year 1970 program. [1969.] cover title, 39 p. [Text on p. 2-3 of cover.] † S 18.28/a : Ea 7a

14429 U.S. foreign aid in Near East and South Asia, proposed fiscal year 1970 program. [1969.] cover title, 32 p. [Excerpt from Agency's program presentation to Congress outlining President's foreign aid request for fy 1970. Text and map on p. 2-3 of cover.] † S 18.28/a : N 27

INTERSTATE COMMERCE COMMISSION  
Washington, DC 20423

14430 Decisions of Interstate Commerce Commission, Apr.-Sept. 1966 (number of older cases included). 1969. xvii+802 p. il. (Interstate Commerce Commission reports, v. 102, Motor carrier cases.) \* Cloth, \$5.25. • Item 688  
L.C. card 8-30656 IC 1 mot.8 : 102

JUSTICE DEPARTMENT  
Washington, DC 20530

14431 1st annual report of Law Enforcement Assistance Administration, fiscal year 1969. [1969.] vi+66 p. il. 4° \* Paper, 65c. • Item 717-C  
L.C. card 77-603675 J 1.1/2 : 969

Opinions of Attorney General [Volume 42, Opinion]. \* Paper, \$2.00 a volume, 50c. additional for foreign mailing; single copies vary in price.  
• Item 718 J 1.5/a : 42/(nos.)

14432 35. Validity of executive order authorizing program restricting transfer of capital to foreign countries by substantial investors in U.S. and requiring repatriation by such investors of portions of their foreign earnings and short-term financial assets held abroad. [1969.] 10 p. \* Paper, 10c.

14433 36. Member of Congress, appointment to civil office prior to pay increase; Jan. 3, 1969. [1969.] 3 p. \* Paper, 10c.

14434 Report of Attorney General to Congress of United States on administration of Foreign agents registration act of 1938, as amended, for calendar year 1968. [1968.] cover title, [1]+197 p. 4° \* Paper, \$1.50. • Item 719-C  
L.C. card 45-36591 J 1.30 : 968

LABOR DEPARTMENT  
Washington, DC 20210

14435 ESARS handbook. Sept. 1969. cover title, [2]+163 p. 4° (Manpower Administration.) † • Item 745-A L 1.7/2 : Es 1

14436 Guidelines for submission of applications for manpower research institutional grants under Manpower development and training act of 1962, as amended. [1969.] 12+10+[1]+6 p. 4° (Manpower Administration.) † • Item 745-A L 1.7/2 : M 31/3

14437 Labor Day, how it came about, what it means. [1960.] [5] p. narrow 8° † L 1.2 : L 11/10/960

14438 Labor statistics for national decision making, address by Secretary of Labor George P. Shultz to American Statistical Association, Aug. 19, 1969, New York, N.Y. [1969.] 18 p. 4° † L 1.13 : Sh 9/6

14439 Manpower research institutional grant program, first three years, 1966-69; [prepared by Linda Buss]. [1969.] [3]+43 p. 4° (Manpower Administration; [Office of Manpower Research].) † • Item 745  
L.C. card 70-603673 L 1.2 : M 31/43/966-69

14440 Manpower technical exchange. (Manpower Administration.) [Biweekly.] † L 1.39/10 : (date)  
Aug. 15, 1969—

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## GOVERNMENT PUBLICATIONS

### MDTA experimental and demonstration findings.

14441 4. Job development for hard-to-employ; [by ouis Ferman]. June 1968. [1]+iv+119 p. 4° (Manpower Administration.) [Contract 82-24-68-20; Institute of Labor and Industrial Relations, University of Michigan-Wayne State University.] † • Item 746-M L 1.56:4

14442 Work incentive program, from welfare to wages. [July 1969 (revised).] [1969.] [8] p. narrow 8° (Manpower Administration.) \*Paper, 15c. • Item 745 L 12: W S9/7/969

### LABOR STANDARDS BUREAU, Labor Dept. Washington, DC 20210

14443 Maritime safety data for shipyards: Gas hazards trainer. [1969.] [2]+28 p. ll. 4° (MSD LS-9; OOS 2.68.) [Page 28 left blank to be used for notes.] † L 16.47/2: G 21/2/968

14444 — Scupper drain attachments to vessels in drydock. [1969.] [1]+ii+14 p. ll. 4° (MSD LS-454; OOS-2.68.) † L 16.47/2: Scu 4/968

14445 — Shipyard fire and explosion hazards. [1969.] 4 p. ll. 4° (MSD LS-36; 2.68.) † L 16.47/2: F 51/968

Occupational safety aids, Department of Labor safety training programs OSA LS-(series). • Item 765-G L 16.49:(nos.)

14446 [166]. Good housekeeping for successful safety program. [1969.] [8] p. ll. 4° (OOS 2.69.) [Series number incorrectly given on title page as 327.] \*Paper, 10c.

14447 175. Safe lifting. [1969.] [8] p. ll. 4° (OOS 4.69) \*Paper, 15c

14448 181. Supervisory responsibility for safety. [1969.] [8] p. ll. 4° (OOS 4.69.) \*Paper, 10c.

14449 323. Development of safety movement. [1969.] [8] p. ll. 4° (OOS-2.69) \*Paper, 10c.

14450 327. Elements of safety program. [1969.] [12] p. ll. 4° (OOS-2.69.) \*Paper, 15c.

### LABOR STATISTICS BUREAU, Labor Dept. Washington, DC 20210

Bulletins. • Item 768 L 2.3:(nos.)

14451 1425-10. Major collective bargaining agreements: Plant movement, transfer, and relocation allowances; [prepared by staff of Division of Industrial Relations, Office of Wages and Industrial Relations]. July 1969. vi+116 p. 4° [Includes list of available Bulletins of 1425 series on major collective bargaining agreements.] \*Paper, \$1.25. L.C. card L 65-11

14452 1625-69. Area wage survey: Richmond, Va., metropolitan area. Mar. 1969. July 1969. iii+17 p. oblong 8° \*Paper, 30c. L.C. card L 66-67

14453 1625-70. Area wage survey: Greenville, S.C., metropolitan area, May 1969. July 1969. iii+27 p. oblong 8° \*Paper, 35c. L.C. card L 66-153

14454 1625-71. Area wage survey: Charleston, W. Va., metropolitan area, Apr. 1969. July 1969. iii+15 p. oblong 8° \*Paper, 30c. L.C. card L 66-141

14455 1625-72. Area wage survey: Rockford, Ill., metropolitan area, May 1969. Aug. 1969. iii+15 p. oblong 8° \*Paper, 30c. L.C. card L 66-145

14456 1625-73. Area wage survey: Canton, Ohio, metropolitan area, May 1969. Aug. 1969. iii+15 p. oblong 8° \*Paper, 30c. L.C. card L 66-131

14457 1626. Industry wage survey: Iron and steel foundries, Nov. 1967 [prepared by Robert G. Bryan]. June 1969. vi+84+[2] p. 4° \*Paper, \$1.00. L.C. card L 64-45

14458 1627. Employee compensation in private nonfarm economy, 1966; [prepared by John Littsas]. June 1969. vi+54 p. 4° \*Paper, 60c. L.C. card 76-603593

14459 1628. Summaries of manpower surveys and reports for developing countries, 1958-68 [with list of selected readings; prepared by Evelyn R. Kay]. June 1969. viii+231 p. 4° \*Paper, \$1.75. L.C. card 79-603461

14460 1630. Handbook of labor statistics 1969 [compiled in Office of Publications]. July 1969. xi+407 p. 4° \*Paper, \$3.75. L.C. card L 27-328

14461 1631. Planning and administrative personnel in local government, pilot study, June 1969. [1969.] [38] p. 4° \*Paper, 45c. L.C. card 76-603455

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14462 Changing patterns of costs and structure in health sector, [address] by Herbert Bienstock, Regional Director, Department of Labor, Bureau of Labor Statistics, 341 9th Ave., New York, N.Y., before New York Academy of Sciences, New York, N.Y., Mar. 28, 1969. [1969.] 15 leaves, 4° † L 2.26: B 47/3

14463 Labor conditions and labor organizations in Turkey. [Aug. 1969.] [1]+11 p. il. 4° [Issued with perforations.] † L 2.72/4: T 84

Monthly labor review reprints.

14464 2632. Raising construction costs and anti-inflation policies, report on Western Europe; [by] E. Jay Howenstein. [1969.] 3-10 p. 4° [From June 1969 issue.] † L 2.6/a: 2632

North central regional reports. † L 2.71/4:(nos.)

14465 6. Union contract expirations in north central region, July 1969-70; [prepared by George P. Hunt]. [1969.] cover title, [1]+62 p. 4°

14466 7. Occupational trends in sanitary services, warehouses, and stockrooms of northern Illinois [with list of references]. [July 1969.] cover title, [3] leaves+28 p. il. 4°

14467 Occupational earnings and wage trends in metropolitan areas, 1968-69, July 1969. 10 p. 4° (No. 2 of 3 (30 areas).) † L 2.86: 968-69/no.2

Regional reports. (Middle Atlantic Regional Office.)

14468 12. Charting New York City economy; graphic summary of recent economic trends, May 1969. cover title, [3]+28 p. il. oblong 8° † L 2.71/6:12

14469 [This entry number not used.]

14470 Some aspects of changing patterns of work and workers in new urban environment. [1969.] [1]+29 p. il. 4° (Middle Atlantic Region.) † L 2.92: W 89

14471 Some background material relating to food prices and living costs. May 1969. [1]+8 p. il. 4° [Prepared for presentation before hearings at New York City Department of Consumer Affairs, May 26, 1969.] † L 2.92: F 73

14472 Some facts relating to dimension of urban poverty. Apr. 1969. [1]+11 p. il. 4° (Middle Atlantic Region.) † L 2.92: P 86

14473 Some facts relating to economic climate for collective bargaining, for presentation by Alan E. Gould, Community Services Coordinator, Seminar on Emerging characteristics of collective bargaining, 1969, sponsored by Fairleigh Dickinson University, College of Business Administration and Federal Mediation and Conciliation Service, Madison Campus, N.J., Apr. 10, 1969. [1969.] [1]+23 p. il. 4° (Middle Atlantic Region.) † L 2.92: C 68

14474 Some facts relating to employment, unemployment, and living conditions in New York [charts and tables]. New York, N.Y. June 1969. [6] p. il. narrow large 8° † L 2.92: N 42 y/3:969-2

14475 Some facts relating to job situation in New York [charts and tables], Dec. 18, 1967. [1968.] [1]+29 p. il. 4° (Middle Atlantic Regional Office.) † L 2.92: N 42 y/967

14476 Some facts relating to job situation in New York [charts and tables], for presentation by Samuel M. Ehrenhalt, Assistant Regional Directors, at South Bronx Community Corporation, Bronx, N.Y. Apr. 4, 1968. [1968.] [1]+31 p. il. 4° (Middle Atlantic Regional Office.) † L 2.92: N 42 y/968-2

14477 Some facts relating to job trends in New York City [charts and tables], for presentation by Samuel M. Ehrenhalt, Assistant Regional Director, at Cornell University, New York State School of Industrial and Labor Relations, New York, N.Y., Mar. 12, 1968. [1968.] [1]+31 p. il. 4° (Middle Atlantic Region.) † L 2.92: N 42 y/4

14478 Some facts relating to occupational outlook in late 1960's. Mar. 1968. [6] p. narrow 4° il. (Middle Atlantic Region.) † Bureau of Labor Statistics, 341 Ninth Ave., New York, N.Y. 10001 L 2.92: Oc 1

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Commerce, Springfield, Va. 22151

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14479 Some facts relating to the Puerto Rican and labor market [charts and tables]. May 1968. [1]+20 p. il. 4° (Middle Atlantic Region.) † L 2.92: P 96

14480 U.S. Department of State living quarters allowances. [1969.] 7 p. 4° [From Labor development abroad, May 1969.] † L 2.32/2 a : L 76/2,969

14481 Wage trends for occupational groups in metropolitan areas, Aug. 1967-Aug. 1968. Aug. 1969. 4 p. 4° † L 2.86/2 : 967-68-2

LIBRARY OF CONGRESS  
Washington, DC 20540

14482 Classification, class K, subclass KF, Law of United States; [prepared by Werner B. Ellinger, with assistance of John Fischer]. Preliminary edition. 1969. xii+333 p. large 8° (Processing Department, Subject Cataloging Division.) † Paper, \$5.00, Card Division, Library of Congress, Building 159, Navy Yard Annex, Washington, D.C. 20541 • Item 819 L.C. card 69-60005 LC 26.9 : KF

14483 Ghana, guide to official publications, 1872-1968; compiled by Julian W. Withrell and Sharon B. Lockwood. 1969. xi+110 p. 4° (General Reference and Bibliography Division, Reference Department.) \* Paper, \$1.25. • Item 806-B L.C. card 74-001680 LC 2.8 : G 34/872-968

MARINE CORPS (Navy), Defense Dept.  
Washington, DC 20350

Fleet Marine Force manual FMFM (series).

14484 6-3. Marine Infantry battalion [with list of references]. [1969.] [6]+viii+513 p. il. 4° [Issued in looseleaf form. Supersedes FMFM 6-3, Apr. 16, 1964.] \* Paper, \$4.00. • Item 284 D 214.9/4 : 6-3/2

MARITIME ADMINISTRATION, Commerce Dept.  
Washington, DC 20548

14485 Containerships under construction and on order (including conversions) in United States and foreign shipyards, oceangoing ships of 1,000 gross tons and over as of June 30, 1968. Nov. 20, 1968. [1]+8+[1] leaves, 4° (Office of Maritime Promotion, Division of Trade Studies.) † C 39.231 : 968

14486 Containerships under construction and on order (including conversions) in United States and foreign shipyards, oceangoing ships of 1,000 gross tons and over as of Dec. 31, 1968. June 12, 1969. [21] leaves, oblong 8° (Office of Government Aid, Division of Trade Studies.) † C 39.231 : 968-2

MA SP (series). †

C 39.210/2 : (nos.)

14487 69-12. Remarks by A. E. Gibson, Maritime Administrator, Department of Commerce, at Maritime Administration Research and Development Conference, Washington, D.C., Sept. 10, 1969. 1969. 3 p. 4°

14488 69-13. Partners in the future, ships and ports, remarks by A. E. Gibson, Maritime Administrator, Department of Commerce, before Pacific Coast Assn. of Port Authorities at Honolulu, Hawaii, Sept. 22, 1969. 1969. 10 p. 4° ([US-COMM-DC 43184].)

14489 Oceangoing foreign flag merchant type ships of 1,000 gross tons and over owned by United States parent companies as of Dec. 31, 1967; prepared by Office of Maritime Promotion, Division of Trade Studies. [1968.] [2]+34 leaves, 4° (Report MAR-560-22.) † C 39.230 : 967

14490 Oceangoing foreign flag merchant type ships of 1,000 gross tons and over owned by United States parent companies as of June 30, 1968; prepared by Office of Maritime Promotion, Division of Trade Studies. [1969.] 35 leaves, 4° (Report MAR-560-22.) † C 39.230 : 968

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14401 Oceangoing merchant ships of 1,000 gross tons and over, lost and scrapped during calendar year 1967 (excludes vessels operating exclusively on Great Lakes and Inland waterways and special types such as channel ships, icebreakers, cable ships, etc., and merchant ships owned by any military force) ; prepared by Office of Maritime Promotion, Division of Trade Studies. Revised July 18, 1968. [1968.] [1]+vi+22 leaves, 4° (Report MAR-560-23.) ♦ L.C. card 70-600595 C 39.229 : 967

14402 Oceangoing merchant ships of 1,000 gross tons and over, lost and scrapped during calendar year 1968 (excludes vessels operating exclusively on Great Lakes and Inland Waterways and special types such as channel ships, icebreakers, cable ships, etc., and merchant ships owned by any military force) ; prepared by Office of Government Aid, Division of Trade Studies. June 6, 1969. [1]+viii+22 leaves, 4° (Report MAR-560-23.) ♦ L.C. card 70-600595 C 39.229 : 968

14403 United States flag containerships and United States flag ships with partial capacities for containers and/or vehicles [as of Dec. 31, 1968] ; prepared by Office of Government Aid, Division of Trade Studies. Apr. 25, 1969. [1]+8 leaves, oblong 8° ♦ C 39.232 : 968-2

14404 United States flag containerships and United States flag ships with partial capacities for containers and/or vehicles [as of June 30, 1968] ; prepared by Office of Maritime Promotion, Division of Trade Studies. Oct. 25, 1968. [1]+7 leaves, oblong 8° ♦ C 39.232 : 968

**MEDICINE AND SURGERY BUREAU (Navy), Defense Dept.**  
Washington, DC 20350

Naval Aerospace Medical Institute: NAMI (series). (Naval Aerospace Medical Center, Pensacola, Fla.) ♦ D 206.18:(nos.)

14405 1019. Stability of Edwards personal preference schedule need score scores and profiles over 7-week interval [with list of references; by] Lawrence K. Waters. Oct. 18, 1967. [1]+ii+5+2+[1] p. ll. 4° ([Project] MF 022.01.02-5001.55.) [Abstract cards attached.]

14406 1032. Repeated or continual measurements of cardiac output in squirrel monkey (Saimiri sciureus) by thermodilution [with list of references; by Hassan H. Khalil. Mar. 8, 1968. [1]+ii+18+2+[1] p. ll. 4° ([Project] MR 011.01.4.) [Abstract cards attached.]

14407 1035. Simple method for percutaneous introduction of cardiac catheters [with list of references; by] Hassan H. Khalil. Mar. 29, 1968. ii+4+2+[2] p. ll. 4° ([Project] MR011.01.5) [Abstract cards attached.]

14408 1037. Relationship of Naval aviator's speech discrimination test to pure tone audiogram [with list of references; by] James W. Greene. Apr. 9, 1968. ii+12+[6] p. ll. 4° ([Project] MF022.03.02-5021.2; NASC A34-531-061/5611/F022-01-03.) [Abstract cards attached.]

14409 1038. Expansion of Naval flight officer student prediction system [with one reference; by] Richard F. Booth and Floyd E. Peterson. May 20, 1968. ii+5+2+[2] p. 4° ([Project] MF022.01.02-5002.10.) [Abstract cards attached.]

14500 1039. Optimal weighting of course grades for 2 naval air training schools [with list of references; by] Richard F. Booth. May 3, 1968. ii+13+2+[2] p. 4° ([Project] MF022.01.02-5009.1) [Abstract cards attached.]

14501 1045. Sixty-minute vigilance task with 100 scoreable responses [with list of references; by] Robert S. Kennedy. July 16, 1968. ii+10+[2] p. ll. 4° ([Project] MF 12.524.002-5002.11.) [Abstract cards attached.]

14502 1047. Development of aviation combat criterion, preliminary report [with list of references; by] George M. Rickus, Jr., and James R. Berkshire. Aug. 6, 1968. ii+6+2+[2] p. 4° ([Project] M4305.09-3002.1.) [Abstract cards attached.]

14503 1049. Manikin measurements of noise attenuation provided by flight helmets; [by] John R. Forstall. Aug. 23, 1968. ii+17+2+[2] p. 4° ([Project] MF 12.524.005-5020.1; NASC A34-531-561/69F12524402.) [Abstract cards attached.]

Naval Medical Field Research Laboratory, Camp Lejeune N.C.: [Reports]. ♦ D 206.19:(nos.)

14504 v. 18, no. 3. Serum enzyme changes after physical exertion [with list of references; by] I. Dodd Wilson. Mar. 1968. v+13+[4] p. 4° (Work unit MR005.04-0082.1.)

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### Naval Medical Field Research Laboratory—Continued

14505 v. 18, no. 6. Physical fitness test standards for women marines [with list of references]; by Ann Jewett. June 1968. v+8+[4] p. 4° (Work unit MW022.01.04-8003.5.)

14506 v. 18, no. 7. Evaluation of physical training platoon, Officer candidate schools, Quantico, Va., report 1 [with list of references]; by Phillip J. Rasch. July 1968. v+12+[4] p. 4° (Work unit MF12.524.004-8002.7.)

14507 v. 18, no. 9. Cryotherapy in treatment of snake envenomation [with list of references]; by Kenneth A. Gill, Jr. July 1968. v+15+[4] p. ii. 4° (Project MR011.01.)

14508 v. 18, no. 10. Serum uric acid levels and leadership in Marine Corps [with list of references]; by Phillip J. Rasch [and others]. July 1968. v+10+[4] p. 4° (Work unit MF12.524.004-8002.8.)

14509 v. 18, no. 11. Proceedings of Conference on military importance of Mediterranean Snail complex, Host, Entomology Division, Oct. 10-12, 1967. July 1968. vi+96+7+[6] p. 4° (Work unit MF12.524.009-8010.1.)

14510 v. 18, no. 14. Effect of selected soft drink mixes on germicidal properties of iodine tablets [with list of references]; by Ned S. Hurst and James S. Bird. Aug. 1968. v+15+[4] p. 4° (MF12.524.007-8007.1.)

14511 v. 18, no. 15. Nongonococcal urethritis associated with T strains of mycoplasma [with list of references]; by Maurice C. Shepard. Sept. 1968. v+17+[4] p. 4° (Work unit MF12.524.0009.8003.12.)

14512 v. 18, no. 16. Body armor in hot humid environment: pt. 1, Studies in unacclimatized men [with list of references]; by W. E. Yarger, L. H. Cronau, Jr., and R. F. Goldman. Sept. 1968. v+12+[4] p. 4° (Work unit MF12.524.007-8008.1.)

14513 v. 19, no. 2. Development of NMFRRL telemetry system, 2d report [with list of references]; by Wade G. Holcomb and Phillip J. Rasch. Jan. 1969. v+14+[4] p. ii. 4° (Work unit MF12.524.004-8002.)

14514 v. 19, no. 5. Reevaluation of physical fitness test [with list of references]; by Phillip J. Rasch. Feb. 1969. v+20+[3] p. 4° (Work unit MF12.524.004-8002.9.)

### U.S. Naval Submarine Medical Center, Submarine Base, Groton, Conn.: Reports. ¶ D 206.10 : (nos.)

14515 574. Speech intelligibility in stationary multipath channel [with list of references]; by Murray B. Sachs [and others]. [1969.] iii+6+2 p. ii. 4° (Bureau of Medicine and Surgery research work unit MF12.524.004-9011D.03 and NavShips Systems Command task 5-23-18-08622 (USL-9-A-611-03-00).) [Joint report by personnel of Naval Underwater Sound Laboratory and Naval Submarine Medical Center.]

14516 577. Self-preparation stannous fluoride prophylactic technique in preventive dentistry. report after 2 years [with list of references]; by Francis P. Scola. Apr. 18, 1969. cover title, iii+5+2 p. ii. 4° (Research work unit MR005.19-6027.02.) [This report has been designated Submarine Medical Research Laboratory report 577.]

14517 582. TRIC Agent urethritis, report of serological fluorescent antibody and associated findings [with bibliography]; by T. S. Kent. May 21, 1969. cover title, vii+22+2 p. 4° (Project MF099.01.01.01.)

14518 583. Step Test of motivation to excell [with list of references]; by Jimmie H. Johnson. May 26, 1969. cover title, 421-424+2 p. 4° (Research work unit MF12.524.003-9007.01.) [Reprinted from Aerospace medicine, v. 40, no. 4, Apr. 1969. Text on p. 2 of cover.]

### MILITARY ACADEMY, West Point (Army), Defense Dept. West Point, NY 10996

#### USMA library bulletins. ¶

D 109.10 : (nos.)

14519 7. Bibliography of military history, selected, annotated listing of references sources in United State Military Academy Library; compiled by J. Thomas Russell. 1969. [1] +xvii+57 p.

14520 8. Landmarks in science, great rare books from USMA library collections, by Edward P. Rich and Marie T. Capps. Spring 1969. [12] p. ii.

### MINES BUREAU, Interior Dept. Washington, DC 20240

14521 Asbestos; [by Paul W. Icke.] [1969.] [2]+10 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : As 15/968

14522 Barite; [by W. Gene Diamond.] [1969.] [2]+6 p. [Preprint from Minerals yearbook 1968.] \* Paper, 10c. I 28.37/a : B 239/968

14523 Beryllium; [by Henry C. Meeves]. [1969.] [2]+5 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : B 463/968

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14524 Bismuth; [by Harold J. Schroeder.] [1969.] [2]+4 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : B 542/968

14525 Boron; [by J. M. West]. [1969.] [2]+4 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : B 645/968

14526 Diatomite; [by Benjamin Petkof]. [1968.] [2]+3 p. [Preprint from Minerals yearbook, 1967.] \* Paper, 5c. I 28.37/a : D 543/967

14527 Graphite; [by Lewis K. Weaver]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : G 767/968

14528 Helium; [by Billy J. Moore.] [1969.] [2]+4 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : H 367/968

Information circulars. • Item 637-A I 28.27 : (nos.)

14529 8418. Statistical analysis of U.S. demand for phosphate rock, potash, and nitrogen [with bibliography]; by Olman Hee. [1969.] iv+55 p. ll. 4° \* Paper, 75c. L.C. card 70-603668

14530 8422. Mineral resource valuation for public policy; by Donald S. Colby and David B. Brooks. [1969.] [3]+34 p. 4° \* Paper, 45c.

14531 8423. General computer program for solving nonlinear regression problems; by Jarrell C. Grout. [1969.] [3]+35 p. ll. 4° \* Paper, 45c.

14532 Kyanite and related minerals; [by James D. Cooper]. [1968.] [2]+4 p. [Preprint from Minerals yearbook, 1967.] \* Paper, 5c. I 28.37/a : K 98/967

14533 Laramie Petroleum Research Center, welcome. [1969.] cover title, 17 p. ll. 4° † I 28.2 : L 32

14534 Magnesium; [by John W. Cole]. [1969.] [2]+6 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : M 274/2/968

14535 Magnesium compounds; [by John W. Cole]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : M 539/968

14536 Mercury; [by J. M. West]. [1969.] [2]+9 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : M 539/968

14537 Mineral industry of Bolivia; [by Robert A. Whitman]. [1969.] [2]+6 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : B 638/968

14538 Mineral industry of Burma; [by Arnold M. Lansche and K. P. Wang.] [1969.] [2]+4 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : B 927/968

14539 Mineral industry of Colombia; [by Gordon W. Koelling]. [1969.] [2]+9 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : C 717/968

14540 Mineral industry of Hungary; [by Joseph B. Huvos]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : H 894/968

14541 Mineral industry of Pakistan; [by Charles L. Kimbell]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : P 17/968

14542 Mineral industry of Sierra Leone; [by E. Shekarchi]. [1969.] [2]+5 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : S 117/968

14543 Mineral industry of Taiwan; [by R. A. Pense]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a 2 : T 139/968

14544 Minor nonmetals; [by Benjamin Petkof]. [1969.] [2]+8 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : N 731/968

14545 Molybdenum; [by John L. Morning]. [1969.] [2]+9 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : M 739/968

14546 Nitrogen; [by John R. Lewis]. [1969.] [2]+13 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : N 638/968

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14547 Peat; [by Joseph J. Gallagher]. [1969.] [2]+10 p. il. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : P 329/968

14548 Petroleum refineries in United States and Puerto Rico, Jan. 1, 1969. Aug. 29, 1969. 15 p. il. 4° (Mineral industry surveys; Petroleum refineries, annual.) † Mines Bureau, Pittsburgh, PA 15213 I 28.17/2 : 969

Report of investigations. • Item 637-A I 28.23 : (nos.)

14549 7283. Materials handling research, hydraulic transportation of coarse solids [with bibliography]; by R. S. Fowkes and G. A. Wancheck. [Aug. 1969.] [2]+11 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14550 7285. Tensile and stress-rupture properties of rolled Pb-Cd-Sb alloys [with list of references]; by M. M. Tilman. [1969.] [8]+11 p. il. 4B † Mines Bureau, Pittsburgh, PA 15213

14551 7287. Compressibility data for helium at 0° C and pressures to 800 atmospheres [with list of references]; by Ted C. Briggs, B. J. Dalton, and Robert E. Barieau. [1969.] [2]+11+54 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14552 7288. Chemical stabilization of uranium tailings at Tuba City, Ariz.; by Richard Havens and Kari C. Dean. [Aug. 1969.] [3]+12 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14553 7289. Electrical resistivity of hyperstoichiometric columbium and zirconium carbide materials at elevated temperatures [with list of references]; by Danton L. Paulson and Gene Asai. [Aug. 1969.] [2]+11+30 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14554 7290. Metallization of iron ores with solid reductants; by M. M. Fine and R. B. Schlater. [Sept. 1969.] [3]+19 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14555 7292. Magnetic separation of minerals of low susceptibility and small particle size [with list of references]; by Foster Fraas. [Sept. 1969.] [2]+11+14 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14556 7293. Mass spectrometry, residual gas analysis during vacuum melting [with list of references]; by W. E. Anable and E. D. Calvert. [Sept. 1969.] [3]+11 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14557 7294. Preparing alkalinized alumina [with list of references]; by Laurance L. Oden and Paul E. Francoeur. [Sept. 1969.] [3]+16 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14558 7295. Bureau of Mines coal-fired gas turbine research project, test of combustor and ash separator for open-cycle plant; by Donald C. Strimbeck (and others). [Sept. 1969.] [3]+12 p. il. 4B † Mines Bureau, Pittsburgh, PA 15213

14559 7296. Laboratory oil-recovery tests with ultrasonically formed emulsions [with list of references]; by C. A. Komar and H. A. W. Moore. [Sept. 1969.] [3]+14 p. il. 4° † Mines Bureau, Pittsburgh, PA 15213

14560 Salt; [by Benjamin Petkof]. [1969.] [2]+9 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : Sa 37/968

14561 Slag-iron and steel; [by John W. Thatcher]. [1969.] [2]+5 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : SI 1/968

14562 Zirconium and hafnium; [by John G. Parker]. [1969.] [2]+7 p. [Preprint from Minerals yearbook, 1968.] \* Paper, 10c. I 28.37/a : Z 68/968

### MOTOR CARRIER SAFETY BUREAU, Transportation Dept. Washington, DC 20591

14563 1968 analysis of motor carrier accidents involving vehicle defects or mechanical failure. Aug. 1969. [5]+17 p. 4° † TD 2.312:968

### NARCOTICS AND DANGEROUS DRUGS BUREAU, Justice Dept. Washington, DC 20530

NOTE.—The Narcotics and Dangerous Drugs Bureau was transferred from the Treasury Department to the Justice Department by Reorganization Plan 1 of 1968, effective Apr. 8, 1968.

14564 BNDD bulletin; [Robert J. Funesti, editor]. [Irregular.] † • Item 968-B v. 1, no. 2—Aug. 1969— J 24.3 : (v.nos.& nos.)

### NATIONAL ACADEMY OF SCIENCES Washington, DC 20418

14565 Drug efficacy study, report to Commissioner of Food and Drugs, Erratum sheet. [1969.] 1 p. 4° † • Item 475 NA 1.2 : D 84/erratum

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
Washington, DC 20546

14566 Apollo program [posters no. 1-10. 40 x 30 in. 1969. [Posters are colored.] \* Paper, \$4.75 per set. NAS 1.43 : Ap 4/2/no.1-10

NASA contractor report CR (series). NAS 1.26 : (nos.)

14567 1330. Vaporization and decomposition kinetics of candidate re-entry blackout suppressants in low-pressure flames [with list of references]; by Shelby C. Kurasus and Fredrik H. Raab. Aug. 1969. cover title, x+58 p. ll. 4° [Prepared under contract NAS 1-7169 by Aerochem Research Laboratories, Inc., Princeton, N.J. Issued by originator as TP-181.] \* Paper, \$3.00.

14568 1332. Method for analyzing aeroelastic stability of helicopter rotor in forward flight [with list of references]; by Peter Crimi. Aug. 1969. cover title, iii+107 p. ll. 4° [Prepared under contract NAS 1-7411 by Rochester Applied Science Associates, Inc., Rochester, N.Y. Issued by originator as RASA report 68-10.] \* Paper, \$3.00.

14569 1339. Aerodynamic effects of bulbous bases [with list of references]; by Lars E. Ericsson and J. Peter Reding. Aug. 1969. cover title, ix+110 p. ll. 4° [Prepared under contract NAS 1-6450 by Lockheed Missiles & Space Company, Lockheed Aircraft Corporation, Sunnyvale, Calif. Issued by originator as LMSC report 4-17-68-4.] \* Paper, \$3.00.

14570 1373. Analytical and experimental studies for predicting noise attenuation in acoustically treated ducts for turbofan engines [with list of references]; by Ernest Feder and Lee Wallace Dean III. Sept. 1969. cover title, xiii+99 p. ll. 4° [Prepared under contract NAS 1-7129 by Pratt and Whitney Aircraft Division, United Aircraft Corporation, East Hartford, Conn. Issued by originator as report PWA-3486.] \* Paper, \$3.00.

14571 1381. Characteristics of thermionic converter with fluoride vapor deposited tungsten emitter etched to perforentially expose 110 crystal planes [with list of references]; by V. C. Wilson and J. Lawrence. Aug. 1969. cover title, v+113 p. ll. 4° [Prepared under contract NAS 3-8511 by General Electric Company, Schenectady, N.Y.] \* Paper, \$3.00.

14572 1383. Experimental study of electron transmission and bremsstrahlung production [with lists of references]; by D. H. Rester. Aug. 1969. cover title, v+(1)+138 p. ll. 4° [Prepared under contract NAS 8-21055 by Ling-Temco-Vought, Inc., Dallas, Tex. Issued by originator as report 0-71100/9R-1.] \* Paper, \$3.00.

14573 1385. Manipulation errors in finite element analysis of structures [with list of references]; by R. J. Melosh, and E. L. Palacol. Aug. 1969. cover title, iv+141 p. ll. 4° [Prepared under contract NAS 5-10369 by Philco-Ford Corporation, Palo Alto, Calif.] \* Paper, \$3.00.

14574 1393. Experimental investigation of magneto-aerodynamic flow around blunt bodies [with list of references]; by S. Kranc, M. C. Yuen, and A. B. Cambel. Aug. 1969. cover title, xiv+147 p. ll. 4° [Prepared under grant NGR-547 by Northwestern University, Evanston, Ill.] \* Paper, \$3.00.

14575 1396. Design of strapdown gyroscopes for dynamic environment, interim scientific report 2 [with list of references]; by Arthur A. Sutherland Jr., and William S. Beebe. Aug. 1969. cover title, xv+175 p. ll. 4° [Prepared under Contract NAS 12-508 by Analytic Sciences Corporation, Reading, Mass. Issued by originator as report TR-101-4.] \* Paper, \$8.00.

14576 1397. Survey of current debugging concepts [with bibliographies]; by Wallace Kocher. Aug. 1969. cover title, [101 p. ll. 4°] [Prepared under contract NAS 5-9756-98 by Wolf Research and Development Corporation, Bladensburg, Md.] \* Paper, \$3.00.

14577 1398. Laboratory experiments on reverted rubber friction [with list of references]; by G. H. Nybakken, R. J. Staples, and S. K. Clark. Aug. 1969. cover title, viii+54 p. ll. 4° [Prepared under grant NGR-23-005-010 by University of Michigan, Ann Arbor, Mich. Issued by originator as technical report 7.] \* Paper, \$3.00. L.C. card 77-603244

14578 1401. Design of Brayton rotating unit on rolling-element bearings; by R. Cohen and J. Clausi. Aug. 1969. cover title, ix+89 p. ll. 4° [Prepared under contract NAS 3-10949 by Pratt & Whitney Aircraft, Division of United Aircraft Corporation, East Hartford, Conn.] \* Paper, \$3.00.

14579 1407. Study of ferromagnetic liquid [with list of references]; by Robert Kaiser and Ronald E. Rosenweig. Aug. 1969. cover title, x+91 p. ll. 4° [Prepared under contract NASW-1581 by Avco Corporation, Lowell, Mass.] \* Paper, \$3.00. L.C. card 70-603282

14580 1408. Requirements study for biotechnology laboratory for manned earth orbiting missions: v. 1, Results, recommendations, and requirements; by L. T. Kall. Aug. 1969. cover title, xiii+160 p. ll. 4° [Prepared under contract NAS 7-518 by McDonnell Douglas Corporation, Huntington Beach, Calif. Issued by originator as report DAC 58155.] \* Paper, \$3.00.

14581 1409. Requirements study for biotechnology laboratory for manned earth orbiting missions: v. 2, Summary of individual experiments requirements; by L. T. Kall. Aug. 1969. cover title, vii+200 p. 4° [Prepared under contract NAS 7-518 by McDonnell Douglas Corporation, Huntington Beach, Calif. Issued by originator as report DAC 58156.] \* Paper, \$3.00.

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### NASA contractor report CR (series)—Continued

14582 1410. Investigation of turbulent wind field below 150N altitude at Eastern Test Range [with lists of references]; by Alfred K. Blackadar [and others]. Aug. 1969. cover title, [1]+xi+92 p. ll. 4° [Prepared under contract NAS 8-21140 by Pennsylvania State University, University Park, Pa.] \* Paper, \$3.00.

14583 1411. Nonequilibrium gasdynamics [with list of references]; by William S. Watt. Aug. 1969. cover title, v+35 p. ll. 4° [Prepared under contract NAS-100 by Cornell Aeronautical Laboratory, Inc., Buffalo, N.Y. Issued by originator as CAL report AD-1689-A-10.] \* Paper, \$3.00.

14584 1412. Method of deriving orbital perturbing parameters from onboard optical measurements of ejected probe or natural satellite [with list of references]; by C. B. Grosch and H. R. Paetzneck. Aug. 1969. cover title, vii+98 p. ll. 4° [Prepared under contract NAS 1-7540 by Control Data Corporation, Minneapolis, Minn. Issued by originator as control data project 9580.] \* Paper, \$3.00.

14585 1414. Evaluation of configuration changes on optimum structural designs for Mars entry capsule [with list of references]; by Gerald A. Cohen. Aug. 1969. cover title, vii+47 p. ll. 4° [Prepared under contract NAS 1-5554-5 by Philco-Ford Corporation, Newport Beach, Calif.] \* Paper, \$3.00.

14586 1415. Development of barium chemical release system [with list of references]; by C. S. Stokes, E. W. Smith, and W. J. Murphy. Aug. 1969. cover title, ix+37 p. ll. 4° [Prepared under contract NAS 1-6199 and NAS 1-7070 by Research Institute of Temple University, Philadelphia, Pa.] \* Paper, \$3.00.

14587 1416. Characteristics of thermionic converter with chloride vapor deposited tungsten emitter (110) and nickel collector [with list of references]; by V. C. Wilson and S. P. Podkalski. Aug. 1969. cover title, v+33 p. ll. 4° [Prepared under contract NAS 3-8511 by General Electric Company, Schenectady, N.Y.] \* Paper, \$3.00.

14588 1421. Transient response of coupled acousto-mechanical systems [with list of references]; by A. Craggs. Aug. 1969. cover title, [1]+80 p. ll. 4° [Prepared under grant NGR 52-025-003 by University of Southampton, Southampton, England.] \* Paper, \$3.00.

14589 1424. Structural optimization of sandwich and ring-stiffened 120 degree conical shells subjected to external pressure [with list of references]; by Gerald A. Cohen. Aug. 1969. cover title, vii+66 p. ll. 4° [Prepared under contract NAS 1-5554-6 by Philco-Ford Corporation, Space and Reentry Systems Division, Newport Beach, Calif.] \* Paper, \$3.00.

14590 1425. Properties of nonaqueous electrolytes [with list of references]; by Rudolf Keller [and others]. Aug. 1969. cover title, xiii+241 p. ll. 4° [Prepared under contract NAS 3-8521 by ROCKETDYNE, Division of North American Rockwell Corporation, Canoga Park, Calif.] \* Paper, \$3.00. L.C. card 70-603567.

14591 1428. General-aviation pilot reactions to and opinions on grooved runways; by George E. Cranston. Aug. 1969. cover title, [1]+28 p. 4° [Prepared under contract NAS 1-8668 by Flight Safety Foundation, Arlington, Va.] \* Paper, \$3.00.

### NASA picture sets.

NAS 1.43/2:(nos.)

14592 3. NASA space art—"Eyewitness to space". 1969. 12 color prints, 16 x 20 in. of 20 x 16 in. [Issued in envelope.] \* Paper, \$2.75 per set.

14593 4. Apollo—"First manned lunar landing". 1969. 12 color prints, each 11 x 14 in. or 14 x 11 in. [Issued in envelope.] \* Paper, \$1.75 per set.

14594 5. Apollo—"Man on the moon". 1969. 16 x 20 in. [One color print issued in envelope.] \* Paper, \$1.00.

### NASA SP (series).

NAS 1.21:(nos.)

14595 164. Thermal radiation heat transfer: v. 1, Blackbody, electromagnetic theory, and material properties, by Robert Siegel and John R. Howell. 1968. errata. [1969.] 1 p. ↑

14596 174. Conference on electromagnetic exploration of moon, report of Program Evaluation Committee, results of conference held at Ames Research Center, at Moffett Field, Calif., June 11-13, 1968 (with list of references). 1969. iii+24 p. ll. 4° [Scientific and Technical Information Division, Office of Technology Utilization.] \* Paper, \$3.00. L.C. card 75-603278

14597 184. Surveyor program results [with lists of references]; compiled by Surveyor Program, Lunar and Planetary Programs Division, Office of Space Science and Applications. 1969. ix+425 p. ll. 4° (Scientific and Technical Information Division, Office of Technology Utilization.) \* Paper, \$4.75. • Item 830-I L.C. card 68-62647

14598 195. Significant accomplishments in science, Goddard Space Flight Center, 1968, proceedings of symposium held at NASA Goddard Space Flight Center, Jan. 10, 1969; prepared by Goddard Space Flight Center. 1969. viii+188 p. ll. (Scientific and Technical Information Division, Office of Technology Utilization.) [Some illustrations are colored.] \* Paper, \$3.00. L.C. card 79-603591

14599 3045. Compressed gas handbook, 1969, errata. [June 20, 1969.] 1 p. 4° ↑

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

OCTOBER 1969

14600 3049. Computer aided filter design manual [with bibliography]; Sidney Gussow and Glenn Weathers. 1969. vi+101 p. ll. 4°. (Scientific and Technical Information Division, Office of Technology Utilization.) [Prepared under contract for NASA by Sperry Rand Corporation, Huntsville, Ala.] ♦ Paper, \$1.25. • Item 830-I  
L.C. card 75-601801

14601 NASA special publications, currently available, fall 1969. [1969.] cover title, 48 p. ll. [Text on p. 2 of cover.] ↑ NAS 1.9/2: Sp 3/969-2

NASA technical note TN (series) NAS 1.14:D-(nos.)

14602 D-4342. Errata 2. Computing program for axial distribution of aerodynamic normal-force characteristics for axisymmetric multistage launch vehicles, by Ragan B. Madden. Mar. 1968. [June 27, 1969.] 1 p. 4° ↑

14603 D-5001. FORTRAN program for calculating velocities in magnified region on blade-to-blade stream surface of turbo-machine; by Theodore Katsanis and William D. McNally. Apr. 1969. Errata. [June 6, 1969.] 1 p. 4° ↑

14604 D-5166. Infrared spectral irradiance measurements in space environment simulator, John F. Rogers, June 1969, erratum. [July 31, 1969.] 14 p. ll. 4° ↑

14605 D-5190. Effects of differing amounts training and monochromatic targets on sextant sighting performance [with list of references]; by Emmett C. Lampkin and Robert J. Randle. Aug. 1969. cover title, [1]+9 p. ll. 4° ♦ Paper, \$3.00.

14606 D-5268. Attitude stability of class of partially flexible spinning satellites; by Thomas W. Flatley. Aug. 1969. cover title, III+15 p. ll. 4° ♦ Paper, \$3.00.

14607 D-5279. Effects of cyclic heating and thermal shock on hafnia stabilized with calcia, magnesia, and yttria [with list of references]; John D. Buckley and David R. Wilder. Aug. 1969. cover title, [1]+41 p. ll. 4° ♦ Paper, \$3.00.

14608 D-5297. Flow-field measurements downstream of protuberances on flat plate submerged in turbulent boundary layer at Mach 2.49 and 4.44 [with list of references]; by Lane M. Couch. July 1969. cover title, [1]+135 p. ll. 4° ♦ Paper, \$3.00.

14609 D-5304. Development of weld quality monitor [with bibliography]; by J. G. Etzel and J. A. Munford. Aug. 1969. cover title, III+8 p. ll. 4° ♦ Paper, \$3.00.

14610 D-5314. Subsonic performance characteristics of large-scale 1.075-pressure-ratio tip-turbine cruise-fan propulsion system [with list of references]; by Francis J. Capone and Harry T. Norton, Jr. Aug. 1969. cover title, [1]+26 p. ll. 4° ♦ Paper, \$3.00.

14611 D-5316. Subsonic aerodynamic characteristics of large-scale 1.075-pressure-ratio tip-turbine cruise-fan propulsion system at angle of attack [with list of references]; by Francis J. Capone. Aug. 1969. cover title, [1]+62 p. ll. 4° ♦ Paper, \$3.00.

14612 D-5332. Magnetospheric duct propagation research using Alouette-2 top-side-sounder observations [with list of references]; by Jayaram Iamasastri and Edward J. Walsh. Aug. 1969. cover title, [1]+73 p. ll. 4° ♦ Paper, \$3.00.

14613 D-5334. Supersonic aerodynamic characteristics and shock standoff distances for large-angle cones with and without cylindrical afterbodies [with list of references]; by James F. Campbell. Aug. 1969. cover title, [1]+96 p. ll. 4° ♦ Paper, \$3.00.

14614 D-5344. Investigation of isothermal, compressible flow across rotating scaling dam [pt. 1] 1. Analysis [with list of references]; by John Zuk and Lawrence F. Ludwig. Sept. 1969. cover title, II+34 p. ll. 4° ♦ Paper, \$3.00.

14615 D-5358. Fixed-base simulator pilot rating surveys for predicting lateral-directional handling qualities and pilot rating variability [with list of references]; by Lawrence W. Taylor, Jr. and Kenneth W. Illiff. Aug. 1969. cover title, [1]+102 p. ll. 4° ♦ Paper, \$3.00.

14616 D-5361. Analysis of lateral-directional stability characteristics of twin-jet fighter airplane at high angles of attack [with list of references]; by Joseph R. Chambers and Ernie L. Anglin. Aug. 1969. cover title, [1]+47 p. ll. 4° ♦ Paper, \$3.00.

14617 D-5364. Wind-tunnel investigation of STOL aircraft configuration equipped with external-flow jet flap [with list of references]; by Lyle P. Parlett and James F. Shivers. Aug. 1969. cover title, [1]+85 p. ll. 4° ♦ Paper, \$3.00.

14618 D-5367. Failure criteria for filamentary composites [with list of references]; by Christos C. Chamis. Aug. 1969. cover title, II+30 p. ll. 4° ♦ Paper, \$3.00.

14619 D-5370. Tagged arithmetic; by Paula J. Bettinger, Andrew M. Manos, and Betty Jo Armstead. Aug. 1969. cover title, II+18 p. 4° ♦ Paper, \$3.00.

14620 D-5371. Longitudinal mass-spring modeling of launch vehicles [with list of references]; by Rudolf F. Glaser. Aug. 1969. cover title, viii+27 p. ll. 4° ♦ Paper, \$3.00.

14621 D-5373. Computer program for viscous, isothermal compressible flow across scaling dam with small tilt angle [with list of references]; by John Zuk and Patricia J. Smith. Aug. 1969. cover title, II+87 p. ll. 4° ♦ Paper, \$3.00.

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

NASA technical note TN (series)—Continued

14622 D-5374. Causes, measurement, and elimination of fuel-element fission product leakage at NASA Plum Brook Reactor [with list of references]; by A. Bert Davis, and Richard H. Brickley. Aug. 1969. cover title, II+26 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14623 D-5375. Effect of injection element radial distribution and chamber geometry on acoustic-mode instability in hydrogen oxygen rocket [with list of references]; by John F. Wanhanen and C. Joe Morgan. Aug. 1969. cover title, II+43 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14624 D-5376. Oxidation and thermal fatigue cracking of nickel- and cobalt-base alloys in high velocity gas stream [with list of references]; by James R. Johnston and Richard L. Ashbrook. Aug. 1969. cover title, II+48 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14625 D-5377. Experimental and theoretical turbulent boundary layer development in Mach 4.4 water-cooled conical nozzle [with list of references]; by Donald R. Boldman, James F. Schmidt, and Robert C. Ehlers. Aug. 1969. cover title, II+41 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14626 D-5378. Aerodynamic characteristics in pitch of 1/7-scale model of 2- and 3-stage rocket configuration at Mach numbers of 0.4 to 4.63 [with list of references]; by William F. Hinson, Richard A. Langhans, and Roger H. Fournier. Aug. 1969. cover title, [1]+40 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14627 D-5379. Aerodynamic interferences effects caused by parallel-staged simple aerodynamic configurations at Mach numbers of 3 and 6 [with list of references]; by John P. Decker. Aug. 1969. cover title, [1]+85 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14628 D-5380. Molecular orientation and mechanical anisotropy in polyethylene, polypropylene, and poly(ethylene terephthalate) films [with list of references]; by Howard L. Price. Aug. 1969. cover title, [1]+19 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14629 D-5382. Some liquid oxygen/liquid hydrogen explosive effects in controlled failure-mode tests [with list of references]; by Richard W. High. Sept. 1969. cover title, v+28 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14630 D-5383. Use of six-degree-of-freedom motion simulator for VTOL hovering tasks [with list of references]; by Emmett B. Fry, Richard K. Grefe and Ronald M. Gerdes. Aug. 1969. cover title, [1]+26 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14631 D-5385. Analysis of total-pressure loss and airflow distribution for annular gas turbine combustors [with list of references]; by Robert R. Tacina and Jack Grobman. Aug. 1969. cover title, II+42 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14632 D-5387. Gaseous-hydrogen pressurant requirements for discharge of liquid hydrogen from 3.96 meter-(13 ft.) diameter spherical tank [with list of references]; by Robert J. Stochi [and others]. Aug. 1969. cover title, II+60 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14633 D-5388. Analysis of dynamic performance limitations of fast response (150 to 200 Hz) electrohydraulic servos [with list of references]; by John R. Zeller. Aug. 1969. cover title, II+25 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14634 D-5389. Influence of various fabrication methods on compressive strength of titanium skin-stringer panels [with list of references]; by Richard A. Pride, Dick M. Royster, and James E. Gardner. Aug. 1969. cover title, [1]+42 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14635 D-5390. Effect of stress ratio on fatigue-crack growth in 7075-T6 and 2024-T3 aluminum-alloy specimens [with list of references]; by C. Michael Hudson. Aug. 1969. cover title, [1]+29 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14636 D-5391. Chemical equilibrium of ablation materials, including condensed species [with list of references]; by C. W. Stroud and Kay L. Brinkley. Aug. 1969. cover title, [1]+41 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14637 D-5392. Experimental pressure distributions for family of blunt bodies at Mach numbers from 2.49 to 4.63 and angles of attack from 0° to 15° [with list of references]; by Robert L. Stallings, Jr., and Dorothy T. Howell. Aug. 1969. cover title, [1]+85 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14638 D-5394. Simplified analytical model for use in design of pump-inlet accumulators for prevention of liquid-rocket longitudinal oscillation (pogo) [with lists of references]; by William Lewis. Aug. 1969. cover title, II+36 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14639 D-5395. Solid-propellant combustion instability and role of velocity coupling [with list of references]; by Louis A. Povinelli. Aug. 1969. cover title, II+49 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14640 D-5398. Red-shift-magnitude relation and observational data [with list of references]; by Windsor L. Sherman. Aug. 1969. cover title, [1]+25 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14641 D-5402. FORTRAN program for machine computations of group tables of finite groups [with list of references]; by Gabriel Allen, David D. Evans, and Paul Swigert. Sept. 1969. cover title, II+41 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

14642 D-5404. Experimental measurements of expanding storable-propellant products simulated by combustion of gaseous reactants [with list of references]; by Robert Friedman, Raymond E. Gaugler, and Erwin A. Leisberg. Sept. 1969. cover title, II+25 p. II. 4<sup>o</sup> ♦ Paper, \$3.00.

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‡Official Use. Not Available**

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14643 D-5405. Performance characteristics of 14.3-kilovolt-ampere modified Lundell alternator for 1200 Hertz Brayton-cycle space-power system [with list of references] ; by David S. Repas and Richard A. Edkin. Sept. 1969. cover title, II+26 p. II. 4° \* Paper, \$3.00.

14644 D-5406. Evaluation of volume-ratio system for vacuum gage calibration from  $10^{-4}$  to 10 torr [with list of references] ; by Raymond Holanda. Sept. 1969. cover title, II+21 p. II. 4° \* Paper, \$3.00.

14645 D-5407. Computer plotting description of ion-molecule collisions with long-lived capture complexes [with list of references] ; by John V. Dugan, Jr., and James H. Rice. Sept. 1969. cover title, II+28 p. II. 4° \* Paper, \$3.00.

14646 D-5408. Static and dynamic stability derivatives of model of jet transport equipped with external-flow jet-augmented flaps [with list of references] ; by Delma C. Freeman, Jr., Sue B. Grafton, and Richard D'Amato. Sept. 1969. cover title, [1]+50 p. II. 4° \* Paper, \$3.00.

14647 D-5411. Torque and leakage rates of various lubricated lip seal designs at peripheral velocity of 120 feet per second [with list of references] ; by Lawrence P. Ludwig, Thomas N. Strom and Robert L. Johnson. Sept. 1969. cover title, II+14 p. II. 4° \* Paper, \$3.00.

14648 D-5412. Natural frequency of liquids in annular cylinders under low gravitational conditions [with list of references] ; by Thomas L. Labus. Sept. 1969. cover title, II+28 p. II. 4° \* Paper, \$3.00.

14649 D-5420. Lubricants for inerted lubrication systems in engines for advanced aircraft [with list of references] ; by William R. Loomis, Dennis P. Townsend, and Robert L. Johnson. Sept. 1969. cover title, II+20 p. II. 4° \* Paper, \$3.00.

NASA technical translation TT (series).

NAS 1.13/2: F-(nos.)

14650 F-534. Mechanisms with elastic couplings, dynamics and stability [with list of references] ; by A. Ye. Kobilinskii. June 1969. cover title, vii+[2]+306 p. II. 4° [Translation of Mekhanizmy s Uprugimi Svyazami, Dinamika i ustoychivost, Nauka Press, Moscow, 1964.] \* Paper, \$3.00.

14651 F-537. Transactions of 10th scientific conference of Institute of History of Natural Science and Technology [articles, with lists of references] ; by Yu. V. Biryukov et al. Sept. 1969. cover title, v+[1]+62 p. II. 4° [Translation of Trudy X nauchnoy konferentsii aspirantov i mladshikh sotrudnikov instituta. Section of History of Aviation and Cosmonautics, Institute of History of Natural Science and Technology, Academy of Sciences USSR, Moscow, 1967.] \* Paper, \$3.00.

14652 F-547. Investigation of vibration and stability of aircraft engine components [with list of references] ; by G. S. Skubachevskiy, editor. Aug. 1969. cover title, viii+[2]+117 p. II. 4° [Translations of Moscow Institute, no. 172, Mashinostroyeniye Press, Moscow, 1967.] \* Paper, \$3.00. L.C. card 72-603403

14653 Opportunities for participation in space flight investigations, NHB 8030.1A: Memorandum change 25. Aug. 25, 1969. [1] p. 4° \* Paper, \$1.75 (including basic handbook and supplementary material for one year) ; 50c. additional for foreign mailing. • Item 830-F

NAS 1.18: Sp 1/2/ch.25

NATIONAL ARCHIVES AND RECORDS SERVICE, General Services Administration, Washington, DC 20408

General information leaflet.

14654 5. Genealogical records in National Archives. [1969.] [2]+12+[2] p. narrow 8° ([Publication 70-1.]) † (Limited distribution). • Item 569

GS 4.22:5

National Archives microfilm publications: Pamphlet accompanying microcopy. (National Archives.) †

GS 4.20:(nos.)

14655 28. Diplomatic and consular instructions of Department of State, 1791-1801. 1969. cover title, 21 p.

14656 64. Letters sent by Director of United States Mint at Philadelphia, 1795-1817. 1969. cover title, 2 p.

14657 74. Letters of Tench Coxe, Commissioner of Revenue, relating to procurement of military, naval, and Indian supplies, 1794-96. 1969. cover title, 3 p.

14658 250. Passenger lists of vessels arriving at New Orleans, 1820-1902; [prepared by Joyce D. Clarrrocchi]. 1969 cover title, 6 p.

14659 265. Index to passenger lists of vessels arriving at Boston, 1848-91; [prepared by Joyce D. Clarrrocchi]. cover title, 8 p.

14660 284. Despatches from United States consuls in Guaymas, Mexico, 1832-96; [prepared by Ralph E. Huss]. 1969. cover title, 5 p.

14661 716, 717. Records of Department of State relating to political relations between United States and Persia, 1921-29, and between Persia and other States, 1918-29; [prepared by Frank S. Soriano]. 1969. III+9 p.

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NATIONAL BUREAU OF STANDARDS, Commerce Dept.  
Gaithersburg, MD 20760

Building science series.

14662 23. Hall resistance of roofing products [with list of references; by] Sidney H. Greenfeld. Aug. 1969. [3] + 9 p. ll. 4° (Building Research Division, Institute for Applied Technology.) \* Paper, 25c. • Item 241-A C 13.29/2 : 23

Handbook.

14663 44. [Specification, tolerance, and other technical requirements for commercial weighing and measuring devices adopted by National Conference on Weights and Measures, 3d edition 1965], 1969 replacement sheets. [1969.] [116] p. 12° [Issued in looseleaf form.] ↑ • Item 245 L.C. card 14-10563 C 13.11 : 44/3/rev.pages 969

14664 Measurements users bulletin, no. 7: A, Mechanics; B, Heat; supplement to NBS special publication 250, 1968 edition. Aug. 1969. [27] p. 4° [Issued with perforations.] ↑ • Item 247 C 13.10 : 250/3/supp.6

Monograph.

14665 25. Standard X-ray diffraction powder patterns: sec. 7 [Data for 81 substances, with list of references; by] H. E. Swanson [and others]. Sept. 1969. iv + 186 p. ll. 4° [Includes cumulative index to Circular 539, v. 1-10, and Monograph 25, sec. 1-7.] \* Paper, \$1.50. • Item 247-A L.C. card 53-61386 C 13.44 : 25/sec.7

National standard reference data series, NSRDS-NBS • Item 248-B C 13.48 : (nos.)

14666 28. Molten salts, v. 2: sec. 1, Electrochemistry of molten salts, Gibb free energies and excess free energies from equilibrium-type cells [with list of references, by] G. J. Janz and Chr. G. M. Dijkhuis; sec. 2, Surface tension data [with list of references, by] G. J. Jan [and others]. Aug. 1969. v + 111 p. ll. 4° [Report was prepared at Molten Salts Data Center, Rensselaer Polytechnic Institute, Troy, N.Y.] \* Paper, \$2.75. L.C. card 68-60051

14667 29. Photon cross sections, attenuation coefficients, and energy absorption coefficients from 10 keV to 100 GeV [with list of references; by] J. H. Hubbell. Aug. 1969. iv + 80 p. ll. 4° (Center for Radiation Research.) \* Paper, 75c. L.C. card 73-600412

Product standard PS (series). ([Office of Engineering Standards Services.]) ↑ • Item 243 C 13.20/2 : (nos.)

14668 1-66. Softwood plywood, construction and industrial, amendment 1. [1969.] 5 p. [Effective June 30, 1969.]

14669 1-66. Softwood plywood, construction and industrial, amendment 2. [1969.] 2 p. 4° [Effective Sept. 20, 1969.]

Special publications. • Item 247 C 13.10 : (nos.)

14670 238. Errata, to accompany 1969 edition, NBS frequency and time broadcast services, radio stations WWV, WWVH, WWVB, WWVL [1969.] 1 p. ↑

14671 304A. Brief history and use of English and metric systems of measurement with chart of modernized metric system. 1968, revised 1969. [1969.] [4] p. ll. 4° \* Paper, 20c.

Technical notes. • Item 249-A C 13.46 : (nos.)

14672 379. Standard time and frequency, its generation, control, and dissemination from National Bureau of Standards Time and Frequency Division: [by] John B. Milton. Aug. 1969. iv + 27 p. ll. 4° (Frequency-Time Broadcast Services Section, Time and Frequency Division, Institute for Basic Standards.) \* Paper, 35c. L.C. card 70-603681

14673 480. Tables of response functions for silicon electron detectors [with list of references; by] M. J. Berger [and others]. Aug. 1969. v + 57 p. ll. 4° (Center for Radiation Research.) [This work was supported by National Aeronautics and Space Administration under contract R-80.] \* Paper, 60c. L.C. card 76-603656

14674 490. Thermal gradient effects on 13 flush mounted pressure transducers; [by] Leon Horn. Aug. 1969. ll + 21 p. ll. 4° (Electronic Technology Division, Institute for Applied Technology.) \* Paper, 30c.

14675 491. Gravity measurements and standards laboratory [with list of references; by] D. R. Tate. Aug. 1969. [3] + 8 p. 4° (Mechanics Division, Institute for Basic Standards.) \* Paper, 25c.

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OCTOBER 1969

NATIONAL CENTER FOR SOCIAL STATISTICS, Health  
Education, and Welfare Dept.  
Washington, DC 20201

NOTE.—The National Center for Social Statistics was established as part of Social and Rehabilitation Service to provide staff coordination, direction, and advice for all statistical activities and programs for SRS.

14676 Statistical report on social services, Form FS-2069, quarter ended Sept. 30, 1968. [1969.] [8] p. 4° (NCSS report E-1 (7-9/68).) [Issued with perforations.] ↑ FS 17.628: 968-2

NATIONAL COLLECTION OF FINE ARTS, Smithsonian  
Institution, Washington, DC 20560

14677 Werner Drewes woodcuts [exhibition, Aug. 15-Oct. 5, 1969], catalogue; by Carl Dreyfuss. Smithsonian Institution Press, 1969. 32 p. il. 4° [Department of] Prints and Drawings.) [Illustration on cover, Shimmering waters, is colored. Exhibition will be circulated by Smithsonian Institution Traveling Exhibition Service.] \* Paper, 50c. • Item 916 L.C. card 70-603440 SI 6.2: D 82

NATIONAL ENDOWMENT FOR THE HUMANITIES, National  
Foundation on the Arts and the Humanities, Washington, DC 20506

14678 Fellowships and summer stipends for younger humanists. 1969. 1 p. f°, folded into oblong 16° (Division of Fellowships and Stipends.) ↑ • Item 831-B-1 NF 3.2: F 33/3

14679 Senior fellowships for 1970-71 [announcement; all lettered poster]. 1969. 1 p. 4° ↑ • Item 831-B-1 NF 3.2: F 33/2/970-71

NATIONAL GALLERY OF ART, Smithsonian Institution  
Washington, DC 20560

14680 Report and studies in history of art 1968. [1969.] vi+[2]+235 p. il. 4° [Other illustrations on p. 1 and 4 of cover.] \* Paper, \$2.75. • Item 917 L.C. card 68-60053 SI 8.9: 968

NATIONAL HIGHWAY SAFETY BUREAU, Transportation Dept.  
Washington, DC 20591

14681 Highway safety literature, compilation of issues numbered 1-52 issued Dec. 1967-Dec. 1968. July 1969. cover title, ii+430 p. 4° (HS 820 030.) [Pages number 13,204-211, 237-247, and 398-402 are intentionally left blank. Text on p. 2 of cover.] ↑ • Item 982-D-4 TD 2.210/3: 1-52

NATIONAL INSTITUTES OF HEALTH, Health, Education,  
and Welfare Dept., Bethesda, MD 20014

14682 Acquisition and development of values, perspectives on research, report of conference, May 15-17, 1968, Washington, D.C.; [prepared by Leora Wood Wells.] [1969.] xiv+65 p. (National Institute of Child Health and Human Development.) ↑ • Item 507 L.C. card 78-603678 FS 2.22: V 24

14683 Biomedical engineering, development and production, report by B.E.R.C., Biomedical Engineering Resource Corporation, Ill., to National Institute of General Medical Sciences. [July 1969.] [5]+45+[1]+46-86 p. 4° ([Contract PH-43-68-1271.]) ↑ • Item 507 FS 2.22: B 52/10

14684 Chemotherapy fact sheet: Streptozotocin (NSC-85998) [with bibliographies]. Aug. 1969. 18 p. il. 4° (Program Analysis Branch, Chemotherapy, National Cancer Institute.) ↑ • Item 507 FS 2.22/63: St 8

14685 Danger, cancer quacks. [1969.] 12 p. narrow 8° ↑ Research Information Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD 20014 FS 2.22: C 16/31

• For Sale by Clearinghouse, U.S. Department of  
Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

14686 Dietetic manual for metabolic kitchen units [with bibliography; by Edith A. Jones]. [Mar. 1969.] cover title, [5]+66 p. (Nutrition Department, Clinical Center.) \* Stiffboard, \$3.50. • Item 507-H  
FS 2.22/15 : D 56/2

14687 Film guide on reproduction and development, guide to selected films on reproductive and developmental biology for graduate and undergraduate programs in biomedical sciences [with list of references to literature]; prepared by National Institute of Child Health and Human Development. [1969.] [5] leaves+66 p. il. 4° \* Paper, \$1.25. • Item 507-H  
L.C. card 78-603672  
FS 2.22/15 : R 29

14688 Gerontology Research Center, National Institute of Child Health and Human Development. [Revised Aug. 1969.] [1969.] cover title, [12] p. il. † • Item 507  
FS 2.22 : G 31/5

14689 Health professions, scholarship program, career information. [Revised Apr. 1969.] [1969.] [6] p. il. narrow 8° ([Publication 1460; Bureau of Health Professions Education and Manpower Training, Division of Health Manpower, Educational Services, Student Loan and Scholarship Branch.]) † • Item 507  
FS 2.22 : Sch 6/969

14690 Mental health considerations in public health, guide for training and practice, [with bibliographies]; edited by Stephen E. Goldston. May 1969. xv+252 p. ([Public Health Service publication 1898.]) \* Paper, \$1.25.  
• Item 507-H  
L.C. card 72-602903  
FS 2.22/15 : M 52/3

14691 National Heart Institutes national blood resource program; [prepared by Heart Information Center, National Heart Institute]. [1969.] [2]+33 p. il. † • Item 507  
FS 2.22 : B 62/2

14692 NIH quarterly publications list. ([Publications and Reports Branch, Office of Information, Office of Director], Public Health Service.) † • Item 506-A  
July 1969—  
FS 2.22/13-9 : (date)

14693 Perspectives on human deprivation, biological, psychological, and sociological [papers with bibliographies]. [1968.] xvii+346 p. 4° (National Institute of Child Health and Human Development.) [Detail from Mother, lithograph by Kathe Kollwitz, on cover.] \* Paper, \$2.75.  
• Item 507 (A 1969 reprint, xli+[1]+323 p. 8°, was sent to depository libraries.)  
L.C. card 70-603475  
FS 2.22 : D 44

14694 Research advances in human transplantation. [1969.] cover title, 24 p. il. 4° \* Paper, 35c. • Item 507  
FS 2.22 : T 68/6

Resources analysis memo (series).

14695 12. Foundations and nonprofit research institutes, support of medical research and education, 1966, 1968. June 1969. 13 p. 4° (Office of Resources Analysis, Office of Associate Director for Program Planning and Evaluation.) †  
FS 2.22/27 : 12

14696 Smallfray smiles, guide for teaching dental health in community care programs; [prepared by Alice M. Johnson, Robert L. Weiss, Miki Wilson]. [1969.] cover title, [5]+54 p. il. ([Bureau of Health Professions Education and Manpower Training, Division of Dental Health.]) †  
FS 2.22/15 : Sm 4

## NATIONAL LABOR RELATIONS BOARD Washington, DC 20570

14697 Court decisions relating to National Labor relations act, v. 14, May 1, 1963-June 30, 1964. 1969. xlii+1947 p. \* Cloth, \$8.50. • Item 825  
L.C. card 44-41303  
LR 1.14 : 14

14698 33d annual report of National Labor Relations Board, fiscal year 1968. 1969. xi+244 p. il. \* Paper, \$1.00. • Item 824  
L.C. card 37-26047  
LR 1.1 : 968

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

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NATIONAL LIBRARY OF MEDICINE, Health, Education, and  
Welfare Dept., Bethesda, MD 20014

14690 Dentistry, selected list of audiovisuals. Mar. 1968. cover title, 81-[29]  
p. (National Medical Audiovisual Center, Atlanta, Ga.) ♦  
L.C. card 71-603419 FS 2.211/3 : D 43

NATIONAL PARK SERVICE, Interior Dept.  
Washington, DC 20242

14700 Canyonlands National Park, Utah. [Revised 1969.] [1969.] [2] p. il. 4°,  
folded into narrow 24° size. ♦ Item 651 I 29.6 : C 16/969  
14701 Fort Point [National Historic Site, Calif., a proposal]. [June 1968.] 24  
p. il. oblong 8° ♦ I 29.21 : F 77 po/968  
14702 Glacier Bay [National Monument, Alaska]. [1969.] 1 sheet (map on verso)  
il. oblong 1° folded into oblong 48° \* Paper, 15c. ♦ Item 650  
I 29.21 : G 45/969

Historical handbook series.

14703 3. Ford's Theatre and House Where Lincoln Died [with list of suggested readings]; by Stanley W. McClure. [Revised 1968.] [1969.] [6]-+40+[16] p. il.  
\* Paper, 50c. ♦ Item 649 L.C. card 76-603534 I 29.58 : 3/4  
14704 History of Star Spangled Banner from 1814 to present [with bibliography]; by George J. Svejda. Feb. 28, 1969. [4]-+vii+525 p. il. 4° (Division of History, Office of Archeology and Historic Preservation.) [Includes lists of references in footnotes. Pages numbered 465-490 include 19 plates. Page numbered 490a has been duplicated. Title on cover is: Fort McHenry National Monument and Historic Shrine, Baltimore, Md.] ♦  
L.C. card 76-603542 I 29.2 : F 77 mc  
14705 National Park Service Iowa Governor's book, 1969 [report to Governor Robert D. Ray; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : Io 9/969  
14706 National Park Service Minnesota Governor's book, 1969 [report to Governor Harold E. LeVander; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : M 66/969  
14707 National Park Service Missouri Governor's book, 1969 [report to Governor Warren E. Hearnes; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : M 69 o/969  
14708 National Park Service Montana Governor's book [report to Governor Forrest H. Anderson; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : M 76/969  
14709 National Park Service Nebraska Governor's book, 1969 [report to Governor Norbert T. Tieman; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : N 27/969  
14710 National Park Service North Dakota Governor's book, 1969 [report to Governor William L. Guy; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : N 81 d/969  
14711 National Park Service South Dakota Governor's book, 1969 [report to Governor Frank L. Farrar; prepared by Midwest Regional Office, National Park Service, Omaha, Nebr.]. [1969.] cover title, 28 p. il. 4° ♦ I 29.75 : So 8 d/969

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Commerce, Springfield, Va. 22151

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## GOVERNMENT PUBLICATIONS

14712 North Cascades National Park, Ross Lake & Lake Chelan National Recreation Areas, Wash. [1969.] [2] p. il. large 8° folded into narrow 24° size. † • Item 651 I 29.6 : N 81 c/2/960

14713 North Rim, Grand Canyon National Park, Ariz. [Revised 1969.] [1969.] [2] p. il. large 8°, folded into narrow 24° size. † • Item 651 I 29.6 : G 76/16/960

14714 Public use of National Park System, 1872-2000; by Ronald F. Lee, with foreword by George B. Hartzog, Jr. Jan. 1, 1968. [5]+93 p. 4° † L.C. card 77-603545 I 29.2 : P 96/2/872-2000

14715 Rocky Mountain [National Park, Colo.]. [1969.] 1 sheet (with map on verso) il. oblong 4°, folded into narrow 8° size. \* Paper, 15c. • Item 651 I 29.6 : R 59/6/960

## NATIONAL SCIENCE FOUNDATION Washington, DC 20550

14716 R & D in aircraft and missiles industry; [prepared by John R. Chirichello]. [May 1969.] viii+17 p. il. 4° (NSF 69-15; [Office of Economic and Manpower Studies.]) \* Paper, 40c. • Item 834-C NS 1.2 : A1 7/957-68

## NATIONAL TRANSPORTATION SAFETY BOARD, Transportation Dept. Washington, DC 20590

14717 Aircraft accident report: Ozark Air Lines, Inc., DC-9, N970Z, and Interstate Airmotive, Inc., Cessna 150F, N8669G, St. Louis, Mo., Mar. 27, 1968; adopted June 30, 1969. [1969.] [33] p. il. 4° (File 1-0012) [Issued with perforations.] \* Paper, \$3.00. TD 1.112 : Sa 21

14718 National Transportation Safety Board. Sept. 1968. 3 p. 4° † TD 1.102 : N 21

14719 National Transportation Safety Board annual report to Congress, 1968. [1969.] x+51 p. † L.C. card 68-61690 TD 1.101.968

14720 Study of collisions of radar-equipped merchant ships and preventive recommendations by National Transportation Safety Board [with bibliography]. [1969.] cover title, [1]+19 p.+[5] leaves il. 4° † TD 1.102 : C 69/2

14721 Study of uniform reporting system for all modes of transportation in reporting incidents and accidents involving shipment of hazardous materials. Mar. 21, 1969. cover title, 15+[2] p. 4° † TD 1.102 : R 29

## NAVAL FACILITIES ENGINEERING COMMAND, Defense Dept. Washington, DC 20360

Design manual DM (series). [Issued in looseleaf form.]

14722 4, 34. [4. Electrical engineering; 34. Administrative facilities], Changes 2, July 1968-June 1969. [1969.] [100] p. il. 4° (NAVFAC DMs 4, 34.) \* Paper, \$1.00. • Item 418-A D 209.14/2 : 4/34/ch.2

NTTC course. [NAVFAC Technical Training Center, Navy Public Works Center, Norfolk, Va.]

14723 150. Basic pest control technology. Jan. 2, 1969. [1]+lv+238 p. il. 4° † D 209.16 : 150

## NAVAL OBSERVATORY, Defense Dept. Washington, DC 20350

Publications of Naval Observatory, 2d series, v. 19.

14724 pt. 2. [Results of observations made with 6-inch transit circle 1956-62, observations of sun, moon, and planets, catalog of 2,554 stars for 1950.0 corrections to FK4, GC, and N30; by A. N. Adams and D. K. Scott. 1968 [published 1969.] [1]+295-485 p. 4° † • Item 398 L.C. card 72-603612 D 213.10 : 19/pt.2

\*For Sale by Superintendent of Documents

†Distribution Made by Issuing Office

‡Official Use. Not Available

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NAVAL OCEANOGRAPHIC OFFICE, Defense Dept.  
Washington, DC 20390

Informal report IR (series).

14725 69-28. Submarine sediment investigation in vicinity of planned Sealab III habitat [with list of references; by Newell T. Stiles and Richard S. Kessler]. July 1969. cover title, v-14+A-2+[2] p. ll. 4° ([Project HF05-552-305, 709-EV-RMA.]) † D 203.26/2 : 69-28

Publications. D 203.22 : (nos.)

14726 10. Change 6, Aug. 2, 1969, loose leaf change pages for correcting Sailing directions for British Columbia, v. 1, 6th edition, 1960. [1969]. [445] p. ll. 4° [Formerly 175. Includes list of effective pages.] † Paper, \$1.75. • Item 378 (Rev. 1957)

14727 12. Change 1, Aug. 2, 1969, loose leaf change pages for correcting Sailing directions for Nova Scotia, [Bay of Fundy and Cape Breton Island], 10th edition, 1967. [1969.] [329] p. 4° [Includes list of effective pages. Issued in looseleaf form.] † Paper, \$1.75. • Item 378 (Rev. 1957)

14728 50. Sailing directions for southwest coast of Africa, Cape Palmas to Cape of Good Hope. 5th edition. 1969. [1]-+xv-+325+[2] p. ll. 4° [Includes list of effective pages. Issued in looseleaf form.] † Paper, \$6.50 (including ring binder); \$4.00 contents only. • Item 378 (Rev. 1957)  
L.C. card 52-61640

14729 114. Change 18, List of lights and fog signals, British Isles, English Channel and North Sea; June 28, 1969. 1969. [204] p. [Includes list of effective pages.] † Paper, 50c. • Item 378 (Rev. 1957)

14730 220. Navigation dictionary. 2d edition 1969. iv-+292 p. \* Cloth, \$8.00  
• Item 378 (Rev. 1967)  
L.C. card 71-608652

14731 221(128). Loran-A table, Gulf of Mexico, rate 3H1. 1968. cover title, xv-+2-62 p. ll. 4° [Issued in looseleaf form.] † Paper, 70c.  
L.C. card 72-601216

14732 221(223). Loran-A table, South Pacific, rate 2L2. 1967. cover title, xv-+2-113 p. ll. 4° [Issued in looseleaf form.] † Paper, 70c.  
L.C. card 76-603463

14733 221(1013). Loran-C table, East Coast, U.S.A., pair SS7-X. 1969. lxii-+337 p. 4° [Issued in looseleaf form.] † Paper, \$2.25; with binder \$3.75.  
L.C. card 73-603595

14734 221(2009). Loran-C table, Northwest Pacific, pair SS3-Z. 1967. lviii-+462 p. ll. 4° [Issued in looseleaf form.] † Paper, \$2.25; with binder, \$3.75.  
L.C. card 72-603462

14735 606-d. Oceanographic Office observers manual: Ice observations. 2d edition, 1956, rev. 1968. [1968.] 42 p. ll. 4° † Paper, 45c.  
L.C. card 75-603266

14736 1301. Bathymetric atlas of northwestern Pacific Ocean; prepared by Scripps Institution of Oceanography. 1969. [1]-+50 leaves, ll. oblong fe. [Charts compiled under direction of T. E. Chase and H. W. Menard in cooperation with Undersea Surveillance Oceanographic Center.] † Paper, \$2.00.  
L.C. card 78-653381

NAVAL PERSONNEL BUREAU, Defense Dept.  
Washington, DC 20390

14737 Abstracts of dissertations, theses, and research papers submitted by candidates for degrees, 1966-67. Dec. 1968. cover title, [3]-+vii-+143 p. 4° (Naval Postgraduate School, Monterey, Calif.) † D 208.14/6 : D 63/966-67

14738 Aviation structural mechanic S 3 & 2 [with reading list; prepared by Navy Training Publications Center]. [1969 edition.] [1969.] cover title, iv-+414 p. ll. 4° (Navy training course; NAVPERS 10308-B.) †  
• Item 404  
L.C. card 61-60369 D 208.11 : Av 5/25/969

14739 Dental administration; Change 5. [1969.] [39] p. ll. 4° (NAVPERS 10483.) [Issued in looseleaf form.] † • Item 403-A  
D 208.6/3 : D 43/2/ch.5

14740 Manual of firefighting exercises; [prepared by Training Publications Division, Naval Personnel Program Support Activity, Wash., D.C., and Naval Damage Control Training Center, Naval Station, Philadelphia, Pa.]. June 1969. [1]-+v-+50 p. 4° (NAVPERS 92175C.) [Issued with perforations.] † • Item 403-A D 208.6/3 : F 51/969

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GOVERNMENT PUBLICATIONS

NAVAL RESEARCH OFFICE, Defense Dept.  
Washington, DC 20390

14741 1968 annual report, Naval Research Laboratory, serving the Navy for 45 years [with list of contributions to science and technology]. [1969.] cover title, vi+138 p. ll. 4° †

L.C. card 51-60868

D 210.17/2: 968

NRL reports. (Naval Research Laboratory.) D 210.8:(nos.)

14742 6828. Density gradients near liquid-air interface [with list of references; by James A. Adams, and Lyle B. Meler. Mar. 31, 1969. cover title, ll.+30 p. ll. 4° (NRL problem G01-02C, project Airtask WF-08-125-703.)] \* Paper, \$3.00 (AD 686659).

14743 6856. Tables of eigenvalues of wave equation in prolate spheroidal coordinates [with list of references; by] S. Hanish and B. King. Apr. 4, 1969. cover title, ll.+60 p. 4° ([NRL problem S01-28, project RR 102-08-41-5225.]) \* Paper, \$3.00 (AD 686658).

14744 6862. Corrosion of metals in tropical environments: pt. 9, Structural ferrous metals, 16 years' exposure to sea and fresh water [with list of references; by] C. R. Southwell and A. L. Alexander. Apr. 23, 1969. cover title, ll.+28 p. ll. 4° ([NRL problem C03-11, project RR 007-08-44-5506.]) \* Paper, \$3.00 (AD 687705).

14745 6869. Dislocation pipe diffusion in silver single crystals [with list of references; by] R. G. Vardiman and M. R. Achter. Mar. 25, 1969. cover title, ll.+12 p. ll. 4° ([NRL problem M01-09, project RR 007-01-46-5407.]) \* Paper, \$3.00 (AD 686661).

14746 6872. Estimating diameter of plasma in propulsion motor plume [with list of references; by] J. P. Weston. May 22, 1969. cover title, ll.+26 p. ll. overlay, 4° ([NRL problem R07-07; project RF 17-344-401-5403.]) \* Paper, \$3.00 (AD 691199).

14747 6875. Fluorocarbon in epoxy plastics [with list of references; by] James E. Quick and James R. Griffith. Apr. 7, 1969. cover title, ll.+14 p. ll. 4° ([NRL problem C03-14, project RR 007-08-44-5508.]) \* Paper, \$3.00 (AD 686652).

14748 6881. Upwind-downwind-crosswind sea-clutter measurements [with list of references; by] John C. Daley [and others]. Apr. 14, 1969. cover title, ll.+16 p. ll. 4° (NRL problem R02-37; project A 31533/652/69R08010200.) \* Paper, \$3.00 (AD 687403).

14749 6886. Fire-retardant paint systems for nuclear submarine interiors [with list of references; by] T. R. Walton. May 2, 1969. cover title, ll.+22 p. ll. 4° ([NRL problem C08-18, project SF 35-433-002-13213.]) \* Paper, \$3.00 (AD 688413).

14750 6887. Study of hydrogen evolution during aqueous oxidation of mild steel [with list of references; by] S. H. Smith and M. C. Bloom. June 6, 1969. cover title, ll.+16 p. ll. 4° ([NRL problem M04-01, project SF 51-542-601-12430.]) \* Paper, \$3.00 (AD 689738).

14751 6890. Solubility and nickel in liquid sodium of high oxide content [with list of references; by] T. A. Kovacina and R. R. Miller. May 20, 1969. cover title, ll.+14 p. ll. 4° ([NRL problem C06-01, project RR 001-05-42-4850.]) \* Paper, \$3.00 (AD 688780).

14752 6904. Optimum packing of hollow spheres in buoyancy materials; [by] P. W. Mast, L. A. Beaubien, and D. R. Mulville. June 30, 1969. cover title, lv.+18 p. ll. 4° ([NRL problems B01-08, F01-14, and F01-17; projects RR 008-02-41-5060, RR 009-03-45-5805, S4607-11896.]) \* Paper, \$3.00 (AD 691200).

14753 6905. Measurement of fluoride activity and concentration in seawater using lanthanum fluoride electrode [with references; by] Theodore B. Warner. July 1, 1969. cover title, 12 p. ll. 4° ([NRL problem G02-08, RR 104-03-41-5052.]) [Text on p. 2 of cover.] \* Paper, \$3.00 (AD 691201).

14754 6909. Microwave photodiodes, sensitivity as function of bias and geometry [with list of references; by] Alan C. MacPherson. July 9, 1969. cover title, 1+10 p. ll. 4° ([NRL problem R08-43, project RR 008-03-46-5672.]) \* Paper, \$3.00 (AD 691202).

14755 6911. Surface chemistry of plastics reinforced by strong fibers [with list of references; by] W. A. Zisman. May 14, 1969. cover title, ll.+28 p. ll. 4° ([NRL problem C02-10, project RR 001-01-43-4751.]) \* Paper, \$3.00 (AD 688103).

NAVY DEPARTMENT, Defense Dept.  
Washington, DC 20350

14756 Antarctic highlights, U.S. Navy Operation Deep Freeze [1969.] cover title, 21 p. ll. narrow 8° ([U.S. Naval Support Force, Antarctica.]) [Page 21, on p. 3 of cover.] \* Paper, 25c. • Item 373-A D 201.15/2: An 8

14757 [This entry number not used.]

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14758 Department of Navy RDT & E management guide [with annotated references lists]. [Revised] July 1, 1969. [1969.] cover title, [273] p. il. 4° (NAVSO P-2457 (Rev. 7-69).) [Text on p. 2-3 of cover. Issued with perforations.] \* Paper, \$2.50. • Item 370-A D 201.6/12 : M 31/969

14759 Report of Operation Deep Freeze 68 [operating season] 1967-68, U.S. Navy task force 43. [May 10, 1968.] cover title, [108] p. il. 4° ([U.S. Naval Support Force, Antarctica.]) † L.C. card 76-603648 D 201.15/2 : Op 2/968

14760 Report of Operation Deep Freeze 69 [operating season] 1968-69, U.S. Navy task force 43. [May 28, 1969.] cover title, [84] p. il. 4° ([U.S. Naval Support Force, Antarctica.]) † L.C. card 77-603691 D 201.15/2 : Op 2/969

**ORDNANCE CORPS (Army), Defense Dept.  
Washington, DC 20310**

HDL [Harry Diamond Laboratories] technical disclosure bulletins.

D 105.14/4:(nos.)

14761 11. Universal wire stripper; [by] George Lemberos. Aug. 29, 1968. 1 p. il. 4° †

14762 12. Transistor series amplifier; [by] Thomas D. McCall. Sept. 10, 1968. 1 p. il. 4° † Public Information Officer, U.S. Army Materiel Command, Washington, DC 20438

14763 13. Flashbulb spotting round for testing proximity fuzes; [by] Thomas I. Hanbold. May 28, 1969. 1 p. il. 4° † Public Information Officer, U.S. Army Materiel Command, Washington, DC 20438

**PACIFIC SOUTHWEST INTER-AGENCY COMMITTEE**

Note.—The Pacific Southwest Inter-Agency Committee (PSIAC) was established in 1955, replacing the Pacific Southwest Inter-Agency Technical Committee. By executive action of President Johnson in 1966, PSIAC became a field committee of the Federal Water Resources Council. The nine Federal agencies on PSIAC are: Agriculture; Army; Commerce; Federal Power Commission; Health, Education, and Welfare; Housing and Urban Development; Interior; Labor; and Transportation.

14764 This land, this water, this west. [1969.] [12] p. il. narrow 8° ([Coordinated Planning Subcommittee.]) † Y 3.P 11/2 : 2 L 22

**PATENT OFFICE, Commerce Dept.  
Washington, DC 20231**

14765 Manual of patent examining procedure [3d edition, Nov. 1961, revised pages]. [Rev. July 21, 1969.] [1969.] [83] p. 4° [Includes instructions regarding revision no. 21. Issued in looseleaf form.] \* Paper, \$8.50 (including basic manual and supplementary material for an indefinite period); \$2.50 additional for foreign mailing. C 21.15 : 961/rev.notice 21

14766 Q&A about plant patents, answers to questions frequently asked about plant patents. [1969.] [12] p. il. † • Item 254 C 21.2 : P 69/2

**POST OFFICE DEPARTMENT  
Washington, DC 20260**

[Commemorative stamp posters.]

Note.—Commemorative stamp posters, which will be issued irregularly, are available on a subscription basis from the Superintendent of Documents, \$1.50 a yr.; 50c. additional for foreign mailing.

14767 6-cent football commemorative postage stamp will be first placed on sale Sept. 26, 1969, at New Brunswick, N.J. 1969. 10.5 x 8 in. P 1.26/2 : F 73/2

14768 6-cent professional baseball commemorative postage stamp will be first placed on sale at Cincinnati, Ohio, on Sept. 24, 1969. 1969. 10.5 x 8 in. P 1.26/2 : B 29

14769 10-cent moon landing commemorative air mail postage stamp will be first placed on sale at Washington, D.C., on Sept. 9, 1969. 1969. 10.5 x 8 in. P 1.26/2 : M 77

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## GOVERNMENT PUBLICATIONS

14770 Directory of international mail; Sept. 5, 1969. [1969.] [473] p. (POD publication 42.) [Includes transmittal letter 74. Issued in looseleaf form.] \* Paper, \$5.00 (including basic book with binder and changes for an indefinite period); \$1.50 additional for foreign mailing; also sold without binder, \$2.50; \$1.00 additional for foreign mailing. • Item 839  
P 1.10/5: 969

[Public information] PI-(series).

14771 19. Mail fraud laws . . . protecting consumers, investors, businessmen, medical patients, students. [June 1969.] [3] + 20 p. ll. (Chief Postal Inspector.) \* Paper, 15c. • Item 837-B  
P 1.36/2: 19/4

14772 Remarks by Postmaster General Winton M. Blount at 1st day ceremonies moon landing commemorative air mail stamp, Washington, D.C., at National Postal Forum III, Sept. 9, 1969. 1969. 4 leaves, 4° (Information Service, General release 135.) †  
P 1.27: B 62/2

### PRESIDENT OF UNITED STATES Washington, DC 20501

14773 Making it, [stay ahead, stay in school]. [1969.] [8] p. ll. 12° ([President's Council on Youth Opportunity.]) † President's Council on Youth Opportunity, 801 19th St., NW, Washington, DC 20506 • Item 851-J  
Pr 36.8: Y 8/M 28

14774 Physical fitness clinics 1969-1970. [1969.] [8] p. ll. 4° (President's Council on Physical Fitness & Sports.) † President's Council on Physical Fitness and Sports, Room 4049, North HEW Bldg., Washington, DC 20201.  
• Item 851-J  
Pr 36.8: P 56/C 61/969-70

### PRISONS BUREAU, Justice Dept. Washington, DC 20537

14775 Basic data book, 1968. 10th edition. [1969.] cover title, [1] + iii + 59 leaves, ll. oblong 8° †  
L.C. card 75-600801  
J 16.24: 968

### PUBLIC BUILDINGS SERVICE, General Services Administration Washington, DC 20405

14776 Building operational review guide. June 11, 1969. cover title, [233] p. 4° (PBS P 5800.32; GSA handbook.) [Issued in looseleaf form with marginal index tabs on blank cardboard showing titles. Cancels PBS P 5800.18A.] † • Item 580  
GS 6.6/2: B 86

### PUBLIC DOCUMENTS DIVISION, Government Printing Office Washington, DC 20402

14777 List of classes of United States Government publications available for selection by depository libraries. Revised July 1, 1969. [1969.] 28 leaves, 4° † • All depositories  
GP 3.24: 969

### PUBLIC HEALTH SERVICE, Health, Education, and Welfare Dept. Washington, DC 20201

14778 An ambulatory service data system [system of records and statistics for outpatient clinics as basis for administration and research, with list of references; by E. Richard Weinerman and others]. [May 1969.] cover title, ii + 140 p. 4° ([Health Services and Mental Health Administration, Community Health Service, Division of Health Care Services, Arlington, Va.]) [Text on p. 2 of cover. Report to Division of Medical Care Administration, Public Health Service, of work completed under contract PH 108-65-56, from Office of Ambulatory Services, Yale-New Haven Hospital and Department of Epidemiology and Public Health, Yale University School of Medicine, New Haven, Conn.] † • Item 485  
FS 2.2: Am 1/2

\*For Sale by Superintendent of Documents

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‡Official Use. Not Available

OCTOBER 1969

Analytical Reference Service study.

14779 34. Water metals no. 4 [with bibliographies; by] R. J. Lishka and J. H. Parker. 1969. xv+82 p. ll. ([Publication 1910.]) ; Consumer Protection and Environmental Health Service, Environmental Control Administration, Cincinnati, Ohio 45202.) [Abstract cards attached.] † ● Item 483-F FS 2.300/5: 34

14780 Annual statistical review, hospital and medical services, fiscal year 1967: Public Health Service Indian and Alaska native hospitals, contract hospitals, field health. Dec. 1967. iii+26 p. ll. 4° (Division of Indian Health, Office of Program Planning and Evaluation, Program Analysis and Statistics Branch.) † L.C. card 77-603273 FS 2.86/6: 967

14781 Be safe, be seen; let's shed some light on pedestrian safety. [1969.] [4] p. ll. narrow 8° ([Consumer Protection and Environmental Health Service, Environmental Control Administration, Bureau of Community Environmental Management, Cincinnati, Ohio.]) \* Paper, \$2.00 per 100; single copy, 5c. ● Item 485 FS 2.2: P 34/2

14782 Bibliography on suicide and suicide prevention [by] Norman L. Farberow. 1969. iii+[2]+203 p. 4° ([Publication 1979; Health Services and Mental Health Administration]; National Institute of Mental Health.) \* Paper, \$1.75. ● Item 506-A L.C. card 72-603470 FS 2.22/13: Su 3

14783 Classification of approved community health projects by broad areas of activity. Revised June 30, 1967. [1968.] [7]+xviii+187 p. 4° (Bureau of Disease Prevention and Environmental Control.) † FS 2.2: C 73/17

14784 Control of domestic rats & mice [with list of selected references; by] Bayard F. Bjornson, Harry D. Pratt, and Kent S. Littig. 1956, revised 1968. 1969. vi+41 p. ll. 4° (Publication 563; training guide, rodent control series, Consumer Protection and Environmental Health Service, Environmental Control Administration.) † ● Item 496-A L.C. card 70-603527 FS 2.6/2: R 18

14785 Current listing of vital and health statistics series, PHS publication 1000, Dec. 31, 1968. [1969.] 6 p. 4° ([Office of Information], National Center for Health Statistics, Health Services and Mental Health Administration.) † FS 2.85/2: list/968

14786 Definition and measurement of mental health [with list of references; by] S. B. Sells, editor. 1968 [published 1969]. [4]+280 p. ll. ([Publication 1873]; Health Services and Mental Health Administration, National Center for Health Statistics.) [Symposium supported by contract 86-65-107.] \* Cloth, \$3.00. ● Item 508 L.C. card 73-603674 FS 2.102: M 52

14787 Division of Indian Health, annual discharge summary, fiscal year 1965; [Prepared by] Program Analysis and Statistics Branch, Office of Program Planning and Evaluation. Jan. 1968. xxxiii+51 p. ll. 4° (Bureau of Health Services.) † L.C. card 77-603762 FS 2.86/7: 965

[Emergency health series.]

14788 A-10. Emergency health services glossary. June 1969. [6]+101 p. ll. 4° ([Publication 1071 A-10]; Health Services and Mental Health Administration, Division of Emergency Health Services.) \* Paper, \$1.00. ● Item 486-E L.C. card 71-603695 FS 2.802: A-10

14789 Emergency medical supplies, hospital reserve disaster inventory. [1968.] cover title, 16 p. ll. oblong 24° (Division of Emergency Health Services.) † ● Item 485 FS 2.2: Em 3

Environmental health series: Radiological health.

14790 RH-36. Evaluation of radium contamination in aircraft instrument repair facilities [with list of references]. May 1969. x+37 p. ll. ([Publication 999-RH-36]; Consumer Protection and Environmental Health Service, Environmental Control Administration, Bureau of Radiological Health.) [Abstract cards attached.] † ● Item 483-F L.C. card 71-601118 FS 2.300: RH-36

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## GOVERNMENT PUBLICATIONS

Environmental health series: Water supply and pollution control. (Division of Water Supply and Pollution Control.)

14791 148 WP-38. Role on bottom-dwelling macrofauna in water pollution investigations [with bibliography]; by Lowell E. Keup, William M. Ingram, and Kenneth M. Mackenthun. 1966. v-+23 p. ll. (Technical Services Branch, Robert A. Taft Sanitary Engineering Center, Publication 999-WP-38.) (Accompanied by abstract cards.) † Publications Office, Robert A. Taft Sanitary Engineering Center, Cincinnati, OH 45226 L.C. card 67-60116 FS 2.300: WP-38

14792 148 Federal Health Programs Service annual statistical summary, fiscal year 1968: pt. 2, Diagnostic and demographic data. [1969.] cover title xv-+189 p. ll. 4° ([Publication 1889-A.]; Health Services and Mental Health Administration, Federal Health Programs Service, Data Management Branch.) † Item 494-C L.C. card 75-601178 FS 2.18/2: 968/pt.2

14793 148 Influenza, NCDC fact sheet. [1969.] cover title, [11] p. ll. narrow 8° ([Health Services and Mental Health Administration, National Communicable Disease Center, Atlanta, Ga.]) † FS 2.60/2: In 3/2

14794 148 Kidney disease, prevention and control, guidelines for community programs of chronic disease control [with bibliography]. May 1969. iii-+31 p. 4° (Health Services and Mental Health Administration, Kidney Disease Control Program, Division of Chronic Disease Programs, Regional Medical Programs Service, Arlington, Va.) \* Paper, 40c • Item 496-A L.C. card 78-603469 FS 2.6/2: K 54/2

14795 148 Kidney disease services facilities and programs in United States. May 1969. vi-+229 p. ([Publication 1942]; Health Services and Mental Health Administration, Kidney Disease Control Program, Division of Chronic Disease Programs, Regional Medical Programs Service.) \* Paper, \$1.00. • Item 485 FS 2.2: K 54/6

14796 148 Mental health statistics: Series A, Mental health facilities report. (National Institute of Mental Health, Health Services and Mental Health Administration.)

14796 2. Patients in State and county mental hospitals 1967; [by Morton Kramer]. [1969.] iii-+89 p. ll. 4° ([Publication 1921; National Clearing House for Mental Health Information.]) \* Paper \$1.00. • Item 491-A L.C. card 78-603651 FS 2.53/2-2: A/2

14797 148 National Air Pollution Control Administration publication ADTD (series). (Consumer Protection and Environmental Health Service.)

14797 69-3. 1964 data tabulations and summaries, continuous air monitoring projects, National Air Surveillance Networks. Chicago, Cincinnati, Philadelphia, St. Louis, Washington, D.C. May 1966. vi-+456 p. 4° † Office of Technical Information and Publications, National Air Pollution Control Administration, U.S. Department of Health, Education, and Welfare, 801 North Randolph Street, Arlington, VA 22203. • Item 483-E L.C. card 73-603682 FS 2.93/3-2: 69-3

14798 148 National Communicable Disease Center foodborne outbreaks, annual summary, 1968. [1969.] cover title, [2]-+40 p. ll. 4° ([Enteric Diseases Section, Epidemiology Program, National Communicable Disease Center, Atlanta, Ga.]) [Text on p. 2 of cover.] † FS 2.60/18: 908

14799 148 Pictorial keys to arthropods, reptiles, birds and mammals of public health significance [with list of selected references]. [June 1969.] iv-+192 p. ll. 4° ([Publication 1955]; Health Services and Mental Health Administration, National Communicable Disease Center, Atlanta, GA.) [Issued in looseleaf form.] \* Paper, \$2.25. • Item 505-A. L.C. card 74-603677 FS 2.60/7: Ar 7/2

14800 148 Proceedings of Public Health Service cooperative Studies, Renal disease and hypertension: v. 6, 8th annual conferences, May 1969, Atlantic City, N.J. (Hypertension) and June 1969, Boston, Mass. (Pyelonephritis). [1969.] xi-+123 p. 4° (Federal Health Programs Service.) † • Item 485 L.C. card 65-61307 FS 2.2: R 29/2/v.6

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14801 Psychopharmacology bulletin, special issues: Studies on effectiveness of antidepressant drugs [with bibliography, by] Aaron Smith, Elizabeth Traganza, Grace Harrison; [editors Alice A. Leeds, David D. Swenson]. Mar. 1969. cover title, 53 p. 4° (National Institute of Mental Health, National Clearinghouse for Mental Health Information [Health Services and Mental Health Administration.]) [Prepared by Psychopharmacology Research Branch. Text on p. 2 of cover.] \* Paper, 55c. ● Item 507-Z-1 FS 2.22/29: An 8

14802 Psychotropic drugs and related compounds, supplement 1 (addenda and errata) [with list of references; by] Earl Usdin, and Daniel H. Efron. June 1969. [2]+148 p. il. ([Publication 1589-A; National Clearinghouse for Mental Health Information], Pharmacology Section, Psychopharmacology Research Branch, National Institute of Mental Health, Health Services and Mental Health Administration.) \* Paper, 65c. ● Item 507 L.C. card 67-61617 FS 2.22: D 84/6/suppl.1

14803 Report for consultation on Steubenville-Weirton-Wheeling air quality control region (Ohio, West Virginia). Aug. 1969. cover title, 46 p. il. 4° (Consumer Protection and Environmental Health Service, National Air Pollution Control Administration.) † ● Item 483-E L.C. card 77-600866 FS 2.93/5: St 4

14804 Report on Federal-State-industry cooperative Savannah River water quality studies, 1956-65 [with selected bibliography]; by Savannah River Advisory Board. Nov. 1967 [published 1969]. [1]+xiii+173 p. il. 4° † ● Item 485 L.C. card 70-603600 FS 2.2: Sa 9/956-65

14805 Representative construction costs of Hill-Burton hospitals and related health facilities, Jan.-June 1968. [1969.] iii+69 p.+[2] leaves, oblong 12° (Division of Hospital and Medical Facilities, Architectural, Engineering, and Equipment Branch, Silver Spring, Md.) † L.C. card 75-603531 FS 2.74/6: 968

14806 Schools offering nurse traineeships for full-time academic study, 1969-70, under professional nurse traineeship program of Public Health Service. [Revised July 1969.] [1969.] 20 p. (Supplement A to publication 1154-1; [Bureau of Health Professions Education and Manpower Training, Division of Nursing.]) † ● Item 485 FS 2.2: N 93/38/suppl.2/969

14807 Smoker's self-testing kit [tests and interpretation of test scores; developed by Daniel Horn, and members of Clearinghouse staff]. [Revised June 1969.] [1969.] [12] p. ([Publication 1904, National Clearinghouse for Smoking & Health, Health Services and Mental Health Administration, Regional Medical Programs Service, Division of Chronic Disease Programs.]) \* Paper, 10c. ● Item 496-A L.C. card 75-603653 FS 2.6/2: Sm 7/3/969-2

14808 Sociologists and anthropologists, supply and demand in educational institutions and other settings; [prepared by Surveys Research Corporation, of Washington, D.C.]. 1969. x+164 p. il. 4° ([Publication 1884; Health Service and Mental Health Administration, National Clearinghouse for Mental Health]. National Institute of Mental Health, Division of Manpower and Training Programs, Manpower and Analytic Studies Branch.) \* Paper, \$1.50. ● Item 507 L.C. card 75-603653 FS 2.22: So 1/7

14809 Summaries of solid wastes program contracts, July 1, 1965-June 30, 1968; [by] Clarence A. Clemons and Ralph J. Black. 1969. v+46 p. 4° ([Publication 1897]; Consumer Protection and Environmental Health Service, Environmental Control Administration, Bureau of Solid Waste Management.) \* Paper, 65c. ● Item 485 L.C. card 71-603557 FS 2.2: So 4/11/965-68

14810 Training Institute of Environmental Control Administration, bulletin of courses, July 1969-Dec. 1970. 68+[12] p. il. 4° (Consumer Protection and Environmental Health Service.) † FS 2.92/4: 969-70

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## GOVERNMENT PUBLICATIONS

Vital and health statistics: Series 1, Programs and collection procedures. (National Center for Health Statistics.)

14811 8. Plan and operation of Health Examination Survey of U.S. youths 12-17 years of age [with list of references]. Sept. 1969. vi+80 p. il. 4° ([Publication 1960, series 1, no. 8; Division of Health Examination Statistics.] \* Paper, 75c. • Item 500-E L.C. card 76-602407 FS 2.85/2 : 1/no.8

Vital statistics of United States, 1967. ([National Center for Health Statistics, Division of Vital Statistics.])

14812 v. 2. Mortality, pt. B. 1969. [4] + 563 p. 4° \* Cloth, \$6.50. • Item 510 L.C. card 40-26272 FS 2.112 : 967/v.2/pt.B

**PUBLIC ROADS BUREAU, Transportation Dept.**  
Washington, DC 20591

14813 Balanced freeway design [with list of references]; by I. C. Jenkins, Chief, Design Branch, Highway Standards and Design Division, Bureau of Public Roads, presented at Kansas Highway Engineering Conference, Manhattan, Kans., Mar. 28, 1969. [1969.] 25 leaves, 4° † TD 2.119 : J 41

Highway planning technical report.

14814 13. Evaluation of bias in license plate traffic survey response [with one reference; by Howard McCann, Gary Marling]. July 1969. cover title, 16 p. il. 4° † TD 2.120 : 13

14815 Literature references to highways and their environmental considerations. July 1, 1969. cover title, xiv+80 p. 4° [Environmental Development Division, Office of Right-of-Way and Location.] † L.C. card 71-603293 TD 2.123 : L 71

14816 New developments in highways, design, economics, environment, hydraulics, maintenance, management, materials, right-of-way, structures, traffic, newsbriefs for highway managers and practicing engineers. May 1969. [7] p. narrow large 8° † TD 2.124 : 969

14817 Opportunities as professional highway engineer. Sept. 1968. [8] p. il. narrow 8° † TD 2.102 : H 53/968

14818 Proceedings, national conference, [AASHO], American Association of State Highway Officials, Committee on Electronics, Seattle, Wash., May 6-7, 1969 [papers, with lists of references]. May 1969. cover title, v+237 p. il. 4° ([Office of Research and Development.]) [Sponsored in cooperation with U.S. Department of Transportation, Federal Highway Administration, Bureau of Public Roads and Washington Department of Highways.] † • Item 265-G L.C. card 68-61097 TD 2.125 : 900

14819 Rest area use study manual. May 1969. cover title, [1]+39+[14] p. 4° † TD 2.108 : R 31/969

14820 Skid resistance studies by Public Roads Bureau [paper]; by D. W. Loutzenheiser [and others], for presentation at Committee on Design, American Association of State Highway Officials, Minneapolis, Minn., Dec. 6, 1968. [1969.] [1]+9 p. 23 pl. 4° † TD 2.102 : Sk 3

14821 Structural systems in support of highway safety [with list of references]; by F. J. Tamanini and John G. Viner. [1969.] [2]+30 p. il. 4° [Structures and Applied Mechanics Division, Office of Research and Development.] [Prepared for presentation at American Society of Civil Engineer's national meeting on transportation engineering, Wash., D.C., July 21-25, 1969.] † TD 2.102 : St 8

14822 Tor-Shok, reusable energy absorbing protective barrier [with bibliography]; by Gerry Bley. May 1969. [61] p. il. 4° † TD 2.102 : T 63

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RAILROAD RETIREMENT BOARD  
Chicago, IL 60611

14823 Railroad Retirement Board, 1968 annual report for fiscal year. [1969.] vii+170 p. il. [Also issued as H. doc. 27, 91st Cong., 1st sess.] \* Paper, \$1.00. • Item 858  
L.C. card 37-26201 RR 1.1: 968

RECLAMATION BUREAU, Interior Dept.  
Washington, DC 20240

14824 Ainsworth unit, Nebr., Sandhills division, Missouri River Basin project. [1969.] 10 p. il. narrow 8° † I 27.2: Ai 6/969

14825 Application of strain gages in Bureau of Reclamation test programs; by Gilbert L. Butler. [1968.] cover title, [1]+13 leaves, 19 pl. 4° [Preprint of paper prepared for presentation at 1968 fall meeting of Western Regional Strain Gage Committee, Denver, Colo., Sept. 23-24, 1968.] † I 27.2: St 8/3

14826 Asphaltic membranes for water seepage control; by L. M. Ellsperman and W. R. Morrison. [1969.] cover title, [1]+43 p. il. 4° (Office of Chief Engineer, Denver, Colo.) [Paper to be presented at symposium on New uses for asphaltic Division of Petroleum Chemistry, Inc., American Chemical Society, Atlantic City, N.J., Sept. 8-13, 1968.] † I 27.2: As 6

14827 Atmospheric water resources program, Project Skywater, special park range cooperative experiment no. 1, Jan. 15-Feb. 19, 1968, summary report. [1968.] cover title, vii+207 p. il. 9 pl. 4° † I 27.2: Sk 9/3

14828 Colossal generating units at third powerplant, Grand Coulee Dam; by Carlos G. Bates. [1968.] [1]+6 leaves 4° [Paper presented at Western Water and Power Symposium, Los Angeles, Calif., Apr. 8-9, 1968.] (Office of Chief Engineer.) † I 27.2: G 76/11

14829 Controlling expansion of desiccated clays during construction [with list of references]; by J. P. Bara. [1969.] cover title, 17+[10] leaves, 4° [Paper to be presented at 2d International Research and Engineering Conference on Expansive Clay Soils at Texas A&M University, College Station, Tex., Aug. 17-19, 1969.] † I 27.2: C 57

14830 Coordination of water resources research, report of meeting between Agricultural Research Service, Department of Agriculture and Bureau of Reclamation, Department of Interior, Aug. 28 and 29, 1967. [1968.] [88] p. 4° (Office of Chief Engineer, Denver, Colo.) † L.C. card 79-603646 I 27.2: W 29/8/967

14831 Davis Dam and powerplant. [1969.] [10] p. il. narrow 8° † • Item 660 I 27.2: D 29/3/969

14832 Equal opportunity in Bureau of Reclamation, affirmative program of manpower utilization. [1969.] [2]+iii+16 p. † I 27.2: Eq 2/969

14833 Gamma probe calibration tests; by Joe M. Lara. Mar. 1968. [21] leaves, il. 4° (Office of Chief Engineer, Sedimentation Branch, Division of Project Investigations, Denver, Colo.) † I 27.2: G 14

14834 Hungry Horse project [Mont.]. [1969.] [12] p. il. narrow 8° † • Item 660 I 27.2: H 89/3/969

14835 Improved appearance of power transmission facilities; by Edwin Rose and Dwight A. Covington. 1968. 42 leaves. il. 4° [Paper for Environmental Engineering Conference, Aesthetics in Power Projects session, Power Division of American Society of Civil Engineers, Chattanooga, Tenn., May 13-17, 1968.] † I 27.2: P 87/5

14836 Project Skywater, first 7 years. [1969.] cover title, [4] p. (Office of Atmospheric Water Resources, Office of Chief Engineer, Denver, Colo.) † I 27.2: Sk 9/2

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GOVERNMENT PUBLICATIONS

14837 Project Skywater, proceedings : Skywater Conference 5, Scientific review plans and design of Colorado River basin pilot project, with appendix, design changes and decisions, atmospheric water resources program. Feb. 1969. [5]+xi+235+[23] p. ll. 4° ([Office of Atmospheric Water Resources.]) †  
L.C. card 77-603249 I 27.2 : SK 9/960

14838 Reclamation lakes, region 2. [1969.] [2] p. ll. oblong 8° folded into narrow 8° size. † • Item 660 I 27.2 : R 24/14/969

[Research] report. (Water resources technical publication.)

14839 17. Soil as an engineering material [with list of references] ; by Wesley G. Holtz. [1st printing 1969.] [1969.] vi+45 p. ll. 4° \* Paper, 55c.  
• Item 664-B I 27.2 : 17  
L.C. card 75-603610 I 27.2 : 17

14840 Spectral analysis, prototype study ; by H. T. Falvey and D. L. King. [1969.] cover title, [1]+9 p. ll. 8 pl. 4° (Office of Chief Engineer, Denver, Colo.) [Paper to be presented at annual Hydraulics Division Conference of American Society of Civil Engineers, Logan, Utah, Aug. 20-22, 1969.] † I 27.2 : Sp 3

14841 Sprinkler irrigation, soils, climate, and land classification [with list of literature cited] ; by John T. Maletic. [1968.] cover title, 18 leaves, ll. 4° [Paper for presentation at 1968 annual Technical Conference, Sprinkler Irrigation Association, Denver, Colo., Feb. 27, 1968.] † I 27.2 : Ir 7/14

14842 Statistical compilation of storage dams and reservoirs on Bureau of Reclamation projects. June 30, 1968. [37] leaves. † I 27.2 : St 7

14843 Value of desalinated water for irrigation [joint research study with list of selected references] ; prepared by Offices of Chief Engineer and Region 3. June 30, 1969. [5]+xli+158 p. ll. 4° (Research contract 14-01-0001-1241.) [Prepared for Office of Saline Water.] †  
L.C. card 79-603689 I 27.2 : D 45/3

14844 Water for future of Kansas, Kansas basins project: interim report 2 [Investigation schedule]. May 1968. cover title, ii+23 leaves, 2 pl. 4° (Bureau of Reclamation regions 5 and 7.) [Prepared in cooperation with Kansas Water Resources Board.] † I 27.2 : K 13/no.2

14845 Yellowtail [unit of Missouri River Basin project]. [1969.] [10] p. ll. narrow 8° † • Item 660 I 27.2 : Y 3/5/969

REHABILITATION SERVICES ADMINISTRATION, Health, Education, and Welfare Dept., Washington, DC 20201

14846 For the disabled, help through rehabilitation. [Revised May 1969.] [1969.] [16] p. ll. narrow 8° † • Item 529 FS 17.102 : D 63/969

14847 Opportunities for the hard of hearing and the deaf. [Revised May 1969.] [1969.] [20] p. ll. narrow 8° † • Item 529 FS 17.102 : H 21/969

14848 Opportunity, help for the mentally retarded. [Revised May 1969.] [1969.] 20 p. ll. narrow 8° † • Item 529 FS 17.102 : M 52/2/969

14849 Proceedings, National Conference for Coordinating Rehabilitation and Education Services for the Deaf, New Mexico State University, Las Cruces, N. Mex., Nov. 6-9, 1967. [7]+71 p. 4° (Sponsored in cooperation with Office of Education.) †  
L.C. card 74-603433 FS 17.102 : D 34

RURAL ELECTRIFICATION ADMINISTRATION, Agriculture Dept.  
Washington, DC 20250

14850 Report of Administrator, Rural Electrification Administration, [fiscal year] 1968. [2]+53 p. \* Paper, 25c. • Item 115  
L.C. card 37-26237 A 68.1 : 968

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**SECRET SERVICE, Treasury Dept.**  
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14851 Use of illustrations and motion-picture films and slides of paper money, postage and revenue stamps, and other obligations and securities of United States and foreign governments. Revised July 22, 1968. [1968.] 7 p. 4° ♦ T 34.2: M 74/3/968

**SELECTIVE SERVICE SYSTEM**  
Washington, DC 20435

14852 Semi-annual report of director of selective service, for period July 1 to Dec. 31, 1968, to Congress of United States, pursuant to Military selective service act of 1967. Jan. 15, 1969. vi+45 p. ll. \* Paper, 25c. • Item 1076  
L.C. card 52-60414 Y 3.Se 4: 1/968-2

14853 You and the draft. [Revised Apr. 3, 1969.] [1969.] 6 p. narrow 8° ([SSS form 137.]) ♦ • Item 1075 Y 3.Se 4: 2 D 78/969

**SHIP STRUCTURE COMMITTEE**  
Washington, DC 20226

SSC (series).

14854 198. Flame straightening and its effect on base metal properties [with list of references; by H. E. Pattie, R. M. Evans, and R. E. Monroe. Aug. 1969. iv+81+[2] p. ll. 4° (Coast Guard Headquarters.) (Summary report on Project SR-185. Straightening distorted weldments, under Navy Department Naval Ship Engineering Center contract N00024-68-C-5324. Text on p. 2 of cover.) ♦ Paper, \$3.00. Y 3.Sh 6: SSC-198

**SMALL BUSINESS ADMINISTRATION**  
Washington, DC 20416

Management aids for small manufacturers.

14855 202. Discover and use your public library; by Marie Boerum. July 1969. 7 p. ll. 4° ♦ SBA 1.10: 202

Small business bibliography.

14856 21. Variety stores; [by Sidney Hollander, jr.]. May 1969. 8 p. ll. 4° ♦ • Item 901-K  
L.C. card 77-603667 SBA 1.3: 21/4

**SMITHSONIAN INSTITUTION**  
Washington, DC 20560

Astronomical papers translated from the Russian (Astrophysical Observatory, Cambridge, Mass.) ♦ SI 1.12/4: (nos.)

14857 12. Observations of artificial earth satellites, no. 2, 1963; translated by Stuart W. Kellogg. May 1969. vi+262 p. ll. 4° [Published by Polish Academy of Sciences Committee for International Geophysical Cooperation, Warsaw 1968]. (611-3.)

14858 13. Observations of chromospheric spicules in H<sub>α</sub> and HE 1 3888.65 Å lines [with list of references; by] K. I. Nikolskaya, translated by Jay M. Pasachoff. Aug. 30, 1968. [1]-+8 leaves, ll. 4° [From Solnechnye dannye, no. 5, 1967.]

Smithsonian contributions to paleobiology.

14859 1. New Permian brachiopods from west Texas [with list of literature cited; by] G. Arthur Cooper and Richard E. Grant. Smithsonian Institution Press. 1969. [2]-+20+[2] p. ll. 5 pl. 4° [Publication of this paper supported by Charles D. and Mary Vaux Walcott Research Fund.] ♦ L.C. card 79-603670 SI 1.30: 1

Smithsonian contributions to zoology.

14860 20. Five species of deep-water cyclopoid copepods from plankton of Gulf of Alaska [with list of literature cited; by] Gayle A. Heron and David M. Dankner. 1969. [2]-+24 p. ll. 4° \* Paper, 40c. • Item 910-D  
L.C. card 73-603658 SI 1.27: 20

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GOVERNMENT PUBLICATIONS

SOCIAL SECURITY ADMINISTRATION, Health, Education, and  
Welfare Dept., Washington, DC 20201

Actuarial notes. † FS 3.19/2:(nos.)

14861 55. SMI benefit experience for 1966-68 as shown on payment records; by Robert J. Myers, Aug. 1969. [4] p. 4<sup>o</sup>

14862 56. Accrued cost of SMI program for 1966 and 1967; by Robert J. Myers, Aug. 1969. [3] p. 4<sup>o</sup>

14863 57. Current experience of SMI program on cash basis; by Robert J. Myers, Aug. 1969. 2 p. 4<sup>o</sup>

SOIL CONSERVATION SERVICE, Agriculture Dept.  
Washington, DC 20250

14864 Habitat management for elk. [Boise, Idaho, June 1969.] 3 p. ll. 4<sup>o</sup> † A 57.56 : El 5

14865 Habitat management for mule deer. [Boise, Idaho, June 1969.] 4 p. ll. 4<sup>o</sup> † A 57.56 : M 89

14866 Idaho's soil surveys, soils and people, what they can do for you. [1969.] [6] p. ll. large 8<sup>o</sup> [Some illustrations are colored.] † Soil Conservation Service, PO Box 38, Boise, ID 83701 A 57.2 : Id 1/2

14867 Muskrat. [Boise, Idaho, June 1969.] 2 p. ll. 4<sup>o</sup> † A 57.2 : M 97

14868 National Plant Materials Center, Beltsville, Md., 1968 annual report. [1969.] cover title, [3]+31 leaves, 4<sup>o</sup> [Illustration on p. 1 of cover.] † A 57.54 : 968

14869 Pond management for trout. [Boise, Idaho, June 1969.] 4 p. ll. 4<sup>o</sup> † A 57.2 : T 75

14870 Red fox. [Boise, Idaho, June 1969.] 2 p. ll. 4<sup>o</sup> † A 57.2 : R 24

14871 Resource planning in Wyoming; how soil surveys help. Casper, Wyo., 1969. [2] p. ll. 1<sup>o</sup> folded into narrow 8<sup>o</sup> size. † A 57.2 : W 99

14872 Soil and water conservation districts, status of organization, by States, approximate acreage, and farms in organized districts. July 1, 1969. [7] leaves ll. 4<sup>o</sup> [Issued with perforations.] † A 57.32 : 969

14873 Soil and water conservation in Texas. Revised Apr. 1967. Temple, Texas [1968.]. 20 p. ll. 4<sup>o</sup> † A 57.2 : So 3/47

14874 Soil survey: Gallatin County, Ill. [with list of literature cited; by Donald L. Wallace and others]. Sept. 1969. cover title, 1+136 p.+[4] leaves, ll. 35 p. of pl. and maps 4<sup>o</sup> [Prepared in cooperation with Illinois Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$3.25. • Item 102 (Rev. 1957)  
L.C. card 77-603608 A 57.38 : G 13

14875 —— Lake County, Tennessee [with list of literature cited; by William T. Brown and others]. Sept. 1969. cover title, [1]+39 p. ll. 1 tab. 30 p. of pl. and maps 4<sup>o</sup> [Prepared in cooperation with Tennessee Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$1.75. • Item 102 (Rev. 1957).  
L.C. card 77-603438 A 57.38 : L 14

14876 —— McPherson County, Nebr. [with lists of literature cited; by Lester E. Sherfey]. Jan. 1969. cover title, 1+35 p. 34 p. of pl. and maps 4<sup>o</sup> [Prepared in cooperation with University of Nebraska, Conservation and Survey Division. Text on p. 2 of cover.] \* Paper, \$2.00. • Item 102 (Rev. 1957)  
L.C. card 78-600964 A 57.38 : M 24

14877 —— Montgomery County, Ill. [with list of literature cited; by C. E. Downey and R. T. Odell]. Aug. 1969. cover title, 1+94 p. 122 p. of pl. and maps, 1 tab. 4<sup>o</sup> [Prepared in cooperation with Illinois Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$6.75. • Item 102 (Rev. 1957)  
L.C. card 75-603251 A 57.38 : M 76/2

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‡Official Use. Not Available

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14878 —— Perry County, Ind. [with list of literature cited; by John R. Robbins, Jr. Sept. 1969. cover title, i+70 p. ll. 74 p. of pl. and maps 1 tab. 4° [Prepared in cooperation with Purdue University Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$4.25. • Item 102 (Rev. 1957) L.C. card 72-603541 A 57.38 : P 42

14879 —— Plymouth County, Mass. [with list of literature cited; by Charles W. Upham]. July 1969. cover title, i+116 p. ll. 68 p. of pl. and maps, 1 tab. 4° [Prepared in cooperation with Massachusetts Agricultural Experiment Station. Text on p. 2 of cover. One map is colored.] \* Paper, \$4.25. • Item 102 (Rev. 1957) L.C. card 79-603252 A 57.38 : P 74

Technical release.

14880 41. Geology: Graphical solutions of geologic problems [with list of references]; by D. H. Hixson. [1]+ll+58 p. [4] leaves, ll. 4° (Engineering Division). [Issued with perforations.] A 57.51 : 41

14881 Ways to attract non-game birds. [Boise, Idaho, June 1969.] 4 p. ll. 4° A 57.2 : B 23

**SOLICITOR, Labor Dept.  
Washington, DC 20210**

14882 Decisions of Wage Appeals Board, index-digest, 1964-1968. [1969.] vi+49 p. [Prepared by the Research, Analysis and Reference function of Division of Legislation.] • Item 712 L.C. card 77-603474 L 21.2 : W 12/964-68

**SPORT FISHERIES AND WILDLIFE BUREAU, Interior Dept.  
Washington, DC 20240**

North American fauna (series).

14883 67. Natural history of king rail [with list of literature cited]; by Brooke Meanley. [1969.] cover title, viii+108 p. ll. \* Paper, 60c. • Item 612-A L.C. card 75-603661 I 49.30 : 67

Regulatory announcement.

14884 84. Federal regulations governing hunting, possession, transportation, and/or importation of ducks, geese, swans, coots, gallinule, snipe, and cranes in United States (excluding Alaska, Hawaii, Puerto Rico, and Virgin Islands), 1969-70. Sept. 1969. 16 p. • Item 613 I 49.24 : 84

Resource publication.

14885 77. Progress in sport fishery research, 1968; [E. Joyce Engstrom, compiler]. May 1969. iv+259 p. ll. 4° (Division of Fishery Research). [Includes list of technical communications.] \* Paper, \$2.00. • Item 613-B L.C. card 59-61791 I 49.00 : 77

14886 Seedskadee National Wildlife Refuge [Sweetwater County, Wyo.], master plan, backup volume. [1969.] [4]+48+[1] p. ll. 2 pl. 4° [Text on p. 2 of cover.] • Item 614-C I 49.6/2 : Se 3 L.C. card 71-603530

Special scientific report: Wildlife (series).

14887 125. Annotated bibliography of helminths of waterfowl (Anatidae); by Malcolm E. McDonald. June 1969. ll-333 p. 4° (Bear River Research Station, Denver Wildlife Research Center, Division of Wildlife Research.) • Item 614-C I 49.13/3 : 125

Wildlife leaflet.

14888 486. Birds protected by Federal law; compiled [by] Division of Management and Enforcement. May 1969. 4 p. 4° [Supersedes WL 475, May 1967.] \* Paper, 10c. • Item 616-B I 49.13 : 486

14889 Wildlife portrait series no. 1. [1969.] 10 colored posters, each 14 x 17 in. [Issued in envelope for mailing purposes.] \* \$2.00 per set. • Item 616-C I 49.71 : 1

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GOVERNMENT PUBLICATIONS

STATE DEPARTMENT  
Washington, DC 20520

Background notes. ([Office of Media Services, Bureau of Public Affairs.])  
[Issued with perforations.] \* Paper, \$3.50 per yr., \$3.00 additional  
for foreign mailing; single copies, each 10c. • Item 862-B

14890 British Honduras [with reading list]. [Revised Dec. 1968.] [1969.] 3 p. ll. 4°  
([Publication 8322.]) S 1.123 : B 77 h/948  
L.C. card 66-61561

14891 Grand Duchy of Luxembourg [with reading list]. [Revised July 1969.] July  
1969. 4 p. ll. 4° ([Publication 7856.]) S 1.123 : L 97/969  
L.C. card 66-61561

14892 Islamic Republic of Pakistan [with reading list]. [Revised July 1969.] [1969.]  
8 p. ll. 4° ([Publication 7748.]) S 1.123 : P 17/969  
L.C. card 66-61651

14893 Kingdom of Cambodia [with reading list]. [Revised July 1969.] [1969.] 6 p. ll. 4°  
([Publication 7747.]) S 1.123 : C 14/969  
L.C. card 66-61561

14894 Mozambique [with reading list]. [Revised July 1969.] July 1969. 5 p. ll. 4°  
([Publication 7965.]) S 1.123 : M 87/969  
L.C. card 66-61561

14895 People's Republic of Albania [with reading list]. [Revised Feb. 1969.] [1969.]  
4 p. ll. 4° ([Publication 8217.]) S 1.123 : A1 1/969  
L.C. card 66-61561

14896 Republic of Brazil [with reading list]. [Revised July 1969.] [1969.] 4 p. ll. 4°  
([Publication 7756.]) S 1.123 : B 73/969  
L.C. card 66-61561

14897 Republic of Congo (Brazzaville) [with reading list]. [Revised July 1969.] [1969.]  
4 p. ll. 4° ([Publication 7896.]) S 1.123 : C 76/2/969  
L.C. card 66-61561

14898 Republic of Guinea [with reading list]. [Revised July 1969.] [1969.] 4 p. ll. 4°  
([Publication 8057.]) S 1.123 : G 94/969  
L.C. card 66-61561

14899 Republic of Iraq [with reading list]. [Revised July 1969.] [1969.] 4 p. ll. 4°  
([Publication 7975.]) S 1.123 : I 1/2/969  
L.C. card 66-61561

14900 Republic of Upper Volta [with reading list]. [Revised Feb. 1969.] [1969.]  
4 p. ll. 4° ([Publication 8201.]) S 1.123 : Up 6 v/969  
L.C. card 66-61561

14901 State of Vatican City [with reading list]. [Revised Aug. 1969.] [1969.] 2 p. 4°  
([Publication 8258.]) S 1.123 : V 45/969  
L.C. card 66-61561

14902 Surinam [with bibliography]. [Revised July 1969.] [1969.] 4 p. ll. 4°  
([Publication 8268.]) S 1.123 : Su 7/969  
L.C. card 66-61561

14903 Union of Soviet Socialist Republics [with reading list]. [Revised July 1969.]  
1969. 14 p. ll. 4° ([Publication 7842.]) S 1.123 : Un 23/969  
L.C. card 66-61561

14904 Foreign Affairs Research Documentation Center, special papers available:  
USSR and Eastern Europe. Aug. 1969. cover title, [2] leaves+58  
p. 4° (Office of External Research.) [List of recent publications issued  
by Office of External Research, on p. 3 of cover.] + S 1.126/2: Un 3  
International organizations series.  
L.C. card 76-603690

14905 4. Organization for Economic Cooperation and Development. [July 1969.] 8  
p. ll. 4° ([Publication 8460; Office of Media Services, Bureau of Public  
Affairs.]) [Issued with perforations.] \* Paper, 10c. • Item 882-C  
S 1.70/5: 4

Near and Middle East series.

14906 75. United States policy in Near East crisis. [Revised July 1969.] [1969.] cover  
title, [3]+28 p. ll. 4° ([Publication 8269; Office of Media Services,  
Bureau of Public Affairs.]) [Compilation of major addresses and state-  
ments issued by White House and State Department, together with  
certain United Nations resolutions, during period May 23, 1967-Apr. 23,  
1969. Reprinted from Department of State bulletin, June 12, 1967-May 26,  
1969.] \* Paper, 35c. • Item 883  
L.C. card 72-603671 S 1.86: 75/2

Treaties and other international acts series. \* Paper, \$10.00 a yr. (ap-  
proximately 150 issues), \$6.00 additional for foreign mailing; single  
copies vary in price. • Item 890 S 9.10: (nos.)

14907 6693. Embassy sites, agreement between United States and Union of Soviet  
Socialist Republics, signed Moscow May 16, 1969; [entered into force  
May 16, 1969], with exchange of notes. [1969.] [2]+22 p. 3 pl.  
[English and Russian.] \* Paper, 50c.  
L.C. card 74-603468

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14908 6697. Agricultural commodities, agreement between United States and Dominican Republic signed Santo Domingo June 11, 1968; [entered into force June 11, 1968. [1969.] [2]+4 p. [English and Spanish.] \* Paper, 10c. L.C. card 75-603235

14909 6698. Economic cooperation, Spanish-United States Economic Committee, agreement between United States and Spain, effected by exchange of notes signed Washington July 15, 1969; [entered into force July 15, 1969. [1969.] [2]+4 p. [Spanish and English.] \* Paper, 10c. L.C. card 70-603467

14910 6699. Defense, use of military facilities in Spain, agreement between the United States and Spain, extending agreement of Sept. 26, 1953, as extended, effected by exchange of notes, signed Washington June 20, 1969; [entered into force June 20, 1969, effective Sept. 26, 1968] with related letters. [1969.] [2]+4 p. [Spanish and English.] \* Paper, 10c. L.C. card 73-603465

14911 6700. Extension of loan of vessels, agreement between United States and Spain, effected by exchange of notes signed Washington June 20, 1969; [entered into force June 20, 1969.] [1969.] [2]+3 p. [English and Spanish.] \* Paper, 10c. L.C. card 73-603544

14912 6701. Agricultural commodities, agreement between United States and Paraguay, signed Asuncion June 7, 1969; [entered into force June 7, 1969. [1969.] [1]+20 p. [English and Portuguese.] \* Paper, 10c. L.C. card 79-603331

14913 6702. Extension of loan of vessels U.S.S. Edwards and U.S.S. Leary, agreement between United States and Japan, effected by exchange of notes signed Tokyo June 20, 1969 [effective Mar. 10, 1969] ; entered into force June 20, 1969. [1969.] [2]+7 p. [English and Japanese.] \* Paper, 10c. L.C. card 75-603523

14914 6703. Agricultural commodities, agreement between United States and Vietnam signed Saigon June 27, 1969; [entered into force June 27, 1969. [1969.] [2]+3 p. \* Paper, 10c. L.C. card 70-603464

14915 6704. Fisheries in western region of middle Atlantic Ocean, agreement between United States and Poland, signed Warsaw, June 12, 1969; [entered into force June 12, 1969, with exchange of letters]. [1969.] [2]+14 p. [English and Polish.] \* Paper, 10c. L.C. card 77-603466

14916 6714. Tracking station, agreement between United States and Spain, extending agreement of Jan. 29, 1964, as supplemented, effected by exchange of notes signed Madrid June 25, 1969; [entered into force June 25, 1969. [1969.] [2]+3 p. [English and Spanish.] \* Paper, 10c. L.C. card 76-603333

14917 6715. Mutual Defense Assistance Office, agreement between United States and Japan, relating to agreement of Mar. 8, 1954, effected by exchange of notes, signed Tokyo, July 4, 1969; [entered into force July 4, 1969. [1969.] [2]+4 p. [Japanese and English.] \* Paper, 10c. L.C. card 70-603329

14918 6717. Atomic energy, cooperation for civil uses, agreement between United States and Portugal, signed Washington July 3, 1969; [entered into force July 19, 1969. [1969.] [2]+33 p. [English and Portuguese.] \* Paper, 20c. L.C. card 75-603330

14919 6718. Atomic energy, application of safeguards by IAEA to United States-Portugal cooperation agreement, agreement between United States, Portugal, and International Atomic Energy Agency, signed Vienna July 11, 1969; [entered into force July 18, 1969. [1969.] [2]+9 p. \* Paper, 10c. L.C. card 73-603327

14920 6719. Technical cooperation, agreement between United States and Afghanistan, extending agreement of June 30, 1953, as extended, effected by exchange of notes signed Kabul June 16 and 17, 1969; [entered into force June 17, 1969. [1969.] [2]+3 p. [English and Afghan.] \* Paper, 10c. L.C. card 72-603332

14921 6720. Load lines, process-verbal of rectification in convention of Apr. 5, 1966, between United States and other Governments, done London May 5, 1969. [1969.] [2]+10 p. [English and French.] \* Paper, 10c. L.C. card 77-603328

14922 6721. Atomic energy, cooperation for civil uses, agreement between United States and Argentina, signed Washington June 25, 1969; [entered into force July 25, 1969. [1969.] [2]+42 p. [English and Spanish.] \* Paper, 20c. L.C. card 70-603334

14923 6722. Atomic energy, application of safeguards by IAEA to United States-Arentina cooperation agreement, agreement between United States and International Atomic Energy Agency, signed Vienna June 13, 1969; [entered into force July 25, 1969. [1969.] [2]+18 p. [English and Spanish.] \* Paper, 15c. L.C. card 73-603379

14924 6723. Extension of loan of vessels, U.S.S. Benson, U.S.S. Hilary P. Jones, and U.S.S. Plunkett, agreement between United States and Republic of China, effected by exchange of notes signed Taipei June 11 and 18, 1969; [entered into force June 18, 1969. [1969.] [2]+7 p. [English and Chinese.] \* Paper, 10c. L.C. card 78-603599

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### Treaties and other international acts series—Continued

14925 6724. Claims, Trust Territory of Pacific Islands, agreement between United States and Japan, signed Tokyo Apr. 18, 1968; [entered into force July 7, 1969], with exchanges of notes. [1969.] [2]+19 p. [English and Japanese.] \* Paper, 16c.  
L.C. card 72-603584

14926 6725. Agricultural commodities, agreement between United States and Tunisia, signed Tunis July 11, 1969; [entered into force July 11, 1969.] [1969.] [2]+4 p. \* Paper, 10c.  
L.C. card 79-603583

14927 6726. Atomic energy, cooperation for civil uses, agreement between United States and Iran, amending agreement of Mar. 5, 1957, as amended, signed Washington, Mar. 18, 1969; [entered into force Aug. 1, 1969]. [1969.] [2]+7 p. \* Paper, 10c.  
L.C. card 78-603585

14928 6727. Air transport services, agreement between United States and France, amending agreement of Mar. 27, 1946, as amended and extended, effected by exchange of notes dated Paris May 28 and 29, 1969; [entered into force May 29, 1969.] [1969.] [2]+6 p. [French and English.] \* Paper, 10c.  
L.C. card 71-603581

14929 6729. Mutual defense assistance, agreement between United States and Belgium, amending annex B to agreement of Jan. 27, 1950, effected by exchange of notes signed Brussels June 20 and 30, 1969; [entered into force June 30, 1969]. [1969.] [2]+3 p. [English and French.] \* Paper, 10c.  
L.C. card 78-603580

14930 6730. Agricultural commodities, agreement between United States and Pakistan, modifying agreement of May 16, 1968, effected by exchange of notes signed Rawalpindi and Islamabad May 16 and June 13, 1969; [entered into force June 13, 1969]. [1969.] [2]+2 p. \* Paper, 10c.  
L.C. card 75-603582

### STATISTICAL REPORTING SERVICE, Agriculture Dept. Washington, DC 20250

14931 Calf crop, 1969. July 22, 1969. 2 p. 4° (MtAn 2-2 (7-69); Crop Reporting Board.) † A 92.18/5: 969

14932 Cranberries, indicated production, Aug. 15, 1969. Aug. 19, 1969. 2 p. 4° (SpCr 1 (8-69); Crop Reporting Board.) † A 92.11/6: 969

14933 Irish potatoes, utilization of 1968 crop with comparisons. Sept. 9, 1969. 3 p. 4° (Pot 1-3 (9-69); Crop Reporting Board.) † A 92.11/5: 968-2

14934 Milk production [Aug. 1969]. Aug. 12, 1969. 8 p. 1l. 4° (Da 1-1 (8-69); Crop Reporting Board.) [Special in this issue: Milk cows, June 1969.] † A 92.10: 969/6

14935 Tree nuts, by States, 1967 and 1968, production, use, value. Aug. 1969. 7 p. 4° (FrNt 4-1 (8-69); Crop Reporting Board.) † A 92.27: 967-68

### SYSTEMS RESEARCH AND DEVELOPMENT SERVICE, Transportation Dept., Washington, DC 20553

14936 Expansion of automation in terminal ATC facilities; by John C. Mercer, presented by 3d annual R&D report to industry, June 17, 1969. [1969.] [1]+13 p. 10 pl. 4° † TD 4.502: Au 8/2

14937 Satellite applications, evolutionary process, international applications, [address] presented by Robert W. Meier, Chief, Communications Development Division, Systems Research & Development Service, Federal Aviation Administration, at 1st annual National Aviation System Planning Review Conference, Washington, D.C., Apr. 23-25, 1969. [1969.] [1]+6 leaves, 4° † TD 4.510: M 47

14938 Scientific and technical reports, [list] cy-1968. [1969.] [1]+9 p. 4° † TD 4.500: list/968

### TARIFF COMMISSION Washington, DC 20436

14939 Summaries of trade and tariff information, prepared in terms of tariff schedules of United States (TSUS): Schedule 2, Wood and paper, printed matter: v. 4, Paper and related products II. 1969. vi+158+[2] p. 4° (TC publication 294.) † L.C. card 67-61163 TC 1.26/2: 2/4

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14940 Synthetic organic chemicals, United States: production and sales of elastomers, 1968, preliminary. Sept. 1969. cover title, [1]+5 p. 4° ↑ TC 1.33/2: E1 1/968

14941 Synthetic organic chemicals, United States production and sales of synthetic organic pigments, 1968, preliminary. Sept. 1969. cover title, [1]+13 p. 4° ↑ TC 1.33/2: P 62/968

**TENNESSEE VALLEY AUTHORITY**  
Washington, DC 20444

14942 Fish and fishing around TVA steam plants. [1969.] [8] p. ll. oblong 48° (Division of Forestry Development.) ↑ Y 3.T 25: 27 F 52/4

**TRAINING AND EMPLOYMENT SERVICE, Labor Dept.**  
Washington, DC 20210

NOTE.—The Training and Employment Service was established within the Labor Department's Manpower Administration.

14943 Area trends in employment and unemployment. (Manpower Administration.) [Monthly. Issued by Employment Security Bureau and classified L 7.51/3: (date) prior to June 1969 issue.] ↑ • Item 752-C  
L 34.9:(date)

June 1969—

**TRANSPORTATION DEPARTMENT**  
Washington, DC 20590

14944 Isthmian canal demand forecast, economic analysis of potential tonnage traffic; [prepared by Walter J. Chilman]. [1969.] cover title, [1]+i+79 leaves, 4° ↑ L.C. card 76-603699 TD 1.2: Is 7

14945 Socio-economic projections for subregions of Northeast Corridor through 1980. May 1969. cover title, [3]+vi+45 p. ll. 4° (Northeast Corridor Transportation Project, Office of High-Speed Ground Transportation.) ↑ L.C. card 77-603659 TD 1.2: N 81/980

**TREASURY DEPARTMENT**  
Washington, DC 20220

Department circular, public debt series. ↑ • Item 924 T 1.4/3:(nos.)

14946 3-69. 6% percent treasury notes of series D-1970, dated and bearing interest from May 15, 1969, due Aug. 15, 1970. May 1, 1969. 2 p. 4°

14947 4-69. 6% percent treasury notes of series B-1976, dated and bearing interest from May 15, 1969, due May 15, 1976. May 1, 1969. 2 p. 4°

14948 5-69. 7% percent treasury notes of series D-1971, dated and bearing interest from Aug. 15, 1969, due Feb. 15, 1971. July 31, 1969. 2 p. 4°

14949 Foreign credits by United States Government, status of active foreign credits of United States Government and of international organizations, as of June 30, 1968; [compiled by Treasury Department]. [1969.] cover title, v+160 p. oblong 12° \* Paper, \$1.50. • Item 925-C T 1.45: 968

14950 Remarks by Edwin S. Cohen, Assistant Secretary for Tax Policy, at Section of Taxation luncheon, American Bar Association annual meeting, Dallas, Tex., Aug. 9, 1969. 1969. 10 p. 4° (K-163.) ↑ T 1.31: C 66

14951 Remarks of David M. Kennedy, Secretary of Treasury at dedication of Philadelphia Mint, Philadelphia, Pa., Aug. 14, 1969. 1969. 6 p. 4° (K-160.) ↑ T 1.31: K 38/10

14952 Statement by Paul A. Volcker, Under Secretary of Treasury for Monetary Affairs, before Senate Finance Committee, Sept. 3, 1969. [1969.] 6+5 p. 4° (K-189.) ↑ T 1.31: V 88/3

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14953 Toward a new fiscal federalism, remarks of Murray L. Weidenbaum, Assistant Secretary of Treasury for Economic Policy, before National Conference of State Legislative Leaders, St. Louis, Mo., Aug. 27, 1969. 1969. 14 p. 4<sup>e</sup> (K-182.) † T 1.31 : W 42

### UNEMPLOYMENT INSURANCE SERVICE, Labor Dept. Washington, DC 20210

NOTE.—The Unemployment Insurance Service was established within the Labor Department's Manpower Administration.

14954 Benefit series service, unemployment insurance report; prepared by Division of Determinations and Hearings. (Manpower Administration.) [Monthly. Issued in looseleaf form. Issued by Bureau of Employment Security and classified L 7.37: (nos.) prior to no. 228, May 1969.] \* Paper, \$5.00 a yr., \$1.25 additional for foreign mailing (1-3 yr. subs.). ● Item 752  
L.C. card L 50-85  
No. 228—May 1969— L 33.9 : (nos.)

### UNITED STATES TRAVEL SERVICE, Commerce Dept. Washington, DC 20230

14955 Data on visitors to U.S., 1st 6 months, 1968. 7 p. 4<sup>e</sup> (Facilitation and Planning Division.) † C 47.2 : D 26/968

14956 Pleasure and business visitors to U.S. by port of entry and mode of travel, 1st 6 months, 1968. [1969.] 8 p. oblong 8<sup>e</sup> folded to 4<sup>e</sup> size. (Office of Research and Analysis.) † C 47.15/2 : 968

14957 State and territorial travel information offices in U.S.A. [Oct. 24, 1968.] 4 p. 4<sup>e</sup> ([Visitor Services Division.]) † C 47.2 : St 2

14958 [This entry number not used.]

14959 United States trade shows and exhibitions, 1970. [1969.] [1]-+36 p. 4<sup>e</sup> [List prepared from questionnaire sent to associations by United States Travel Service.] † ● Item 271-A-1 C 47.2 : T 67/970

### VETERANS ADMINISTRATION Washington, DC 20420

14960 Government life insurance programs for veterans and servicemen, annual report calendar year 1968. [1969.] cover title, 21 p. (Insurance Service, Department of Veterans Benefits.) † L.C. card 65-61802 VA 1.46 : 968

VA pamphlet.

14961 1-1. Board of Veterans Appeals, rules of practice, 1969 edition. [1969.] cover title, III-+18 p. [Text on p. 2 of cover. Supersedes 1967 edition.] † ● Item 988 VA 1.19 : 1-1/5

14962 Voluntary service, National Advisory Committee, report of annual meeting, VAVS action '69 . . . to meet challenge of '70s, Washington, D.C. Aug. 1969. iv-+41 p. ll. 4<sup>e</sup> (Office of Chief Medical Director.) † ● Item 985  
L.C. card 61-61961 VA 1.2 : V 88/969

### WEATHER BUREAU, Commerce Dept. Washington, DC 20235

14963 Coastal warning facilities chart: Canadian border to Eureka, Calif., and Alaska. Scale 50 nautical m.=1.7 in. Revised May 1968. [1968.] 19 x 12 in. [Broadcast schedules of Marine forecasts and warnings on reverse.] \* Paper, 10c. C 30.22/3 : C 16/968

14964 —— Eastport, Me. to Montauk Point, N.Y. Scale 50 naut. m.=2.25 in. Revised June 1968. [1968.] 19 x 12 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c. C 30.22/3 : Ea 7/968

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14965 —— Eureka to Point Conception, Calif. Scale 50 naut. m.=2 in. Revised May 1968. [1968.] 19 x 12 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c. C 30.22/3 : Eu 7/968

14966 —— Manasquan, N.J. to Cape Hatteras, N.C. and Chesapeake Bay. Scale 50 naut. m.=1.8 in. Revised June 1968. [1968.] 12 x 19 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c. C 30.22/3 : M 31/968

14967 Warning facilities chart: Hawaiian waters. Scale 50 naut. m.=2.6 in. Apr. 1, 1969. 12 x 19 in. [Broadcast schedules of marine forecasts and warnings on reverse.] \* Paper, 10c. C 30.22/3 : H 31/2/969

14968 Weather Bureau marine services chart: Alaskan waters. Scale 100 naut. m.=2.4 in. May 1969. 12 x 19 in. [Lambert conformal conic projection. Text on reverse.] \* Paper, 15c. C 30.22/6 : Al 1 s/969

**WOMEN'S BUREAU, Labor Dept.**  
**Washington, DC 20210**

14969 Expanding opportunities for girls, their special counseling needs. [July 1969.] [4] p. 4° ([WB 69-134.]) † L 13.2 : G 44/3/969

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